



No. 32
9 AUGUST 2003



UNITED STATES OF AMERICA

NOTICE TO MARINERS



Published Weekly by the
National Imagery and Mapping Agency

Prepared Jointly with the
National Ocean Service and U.S. Coast Guard

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Visit the Maritime Safety Information Division website at
<http://pollux.nss.nima.mil/>



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IMPORTANT INFORMATION

The Notice to Mariners is published by the National Imagery and Mapping Agency (NIMA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NIMA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other products produced by the National Imagery and Mapping Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Imagery and Mapping Agency (NIMA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Transportation), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NIMA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-5006	287-5006	301-227-5745
World-Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Fleet Liaison Officer	301-227-3120	287-3120	301-227-4211
Maritime Safety Information Website	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3, 4, 5	301-227-3146	287-3146	301-227-3175
Notice to Mariners: Regions 6 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3183	287-3183	301-227-3174
Navigation Science Publications	301-227-3120	287-3120	301-227-3731
Distribution Issues	301-227-7652	287-7652	301-227-4211

The Maritime Safety Information Website can be accessed directly at (<http://pollux.nss.nima.mil>). For your convenience NIMA provides three e-mail addresses. For information affecting Notice to Mariners use NavNotices@nima.mil, for information affecting Sailing Directions and all other navigational publications use SDPUBS@nima.mil, for information concerning the Maritime Safety Information Website, use webmaster_nss@nima.mil.

Mariners are requested to notify NIMA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated. Marine Information Report and Suggestion sheets received during the past week were submitted by the following observers:

<u>Observer</u>	<u>Ship/Organization</u>
Russell Ralph	Seattle, WA

Cover Photo: The **USS KEARSARGE (LHD-3)** is the third in a series of seven *WASP* class multipurpose amphibious assault ships built by Ingalls Shipbuilding in Pascagoula, MS. **KEARSARGE** is the fourth ship to bear this name, with an historical lineage that dates back to the Civil War. Hers is one of only two names that Congress has mandated the US Navy will always have a ship named. Her principal mission is to embark, deploy, land and support a Marine landing force. The ship is specifically designed to accommodate Air Cushion Landing Craft (LCAC) for fast troop movement over the beach, and AV-8B Harrier aircraft to provide close-in air support for the assault force. **KEARSARGE** can also carry as many as 26 Navy/USMC helicopters for troop movement, air support and Search and Rescue Operations. The ship's extensive medical facilities include six fully-equipped operating rooms and a 600-bed hospital for combat support, as well as for humanitarian missions during peacetime. Commissioned 16 October 1993, the **KEARSARGE** is 844 feet in length, has a beam of 110 feet, a draft of 28 feet and can accommodate a crew of 1,009 sailors and 73 officers. During her recent deployment in support of Operation Enduring/Iraqi Freedom, the **KEARSARGE** served as the flagship for Commander, Amphibious Task Force EAST, and carried more than 1,700 Marines from the Second Marine Expeditionary Brigade to the Northern Arabian Gulf. The homeport of the **KEARSARGE** is Norfolk, Virginia.

INFORMATION
OF
SPECIAL INTEREST
OR
IMPORTANCE
TO
MARINERS

NM 32/03

HYDROGRAM

**National Imagery and Mapping Agency
Bethesda, MD 20816-5003**

SPECIAL
ANNOUNCEMENTS

NEW PRODUCTS
OR SERVICES

IMPORTANT
CHANGES

9 August 2003

NEW EDITION OF COAST PILOT

U.S. COAST PILOT 8, ALASKA: DIXON ENTRANCE TO CAPE SPENCER, TWENTY-FIFTH EDITION, 2003, IS READY FOR ISSUE. SEE SECTIONS II AND III.

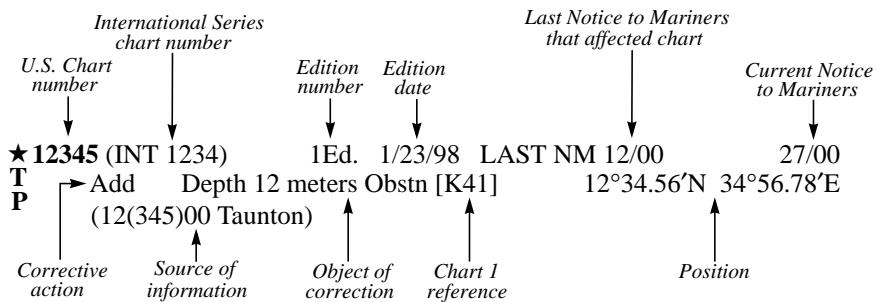
NEW EDITION OF SAILING DIRECTIONS

PUB. 192, SAILING DIRECTIONS (ENROUTE) NORTH SEA, EIGHTH EDITION, 2003, IS READY FOR ISSUE. THIS EDITION IS PRODUCED BY NIMA IN DIGITAL FORMAT ONLY. SEE SECTIONS II AND III.

EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

Section I-1 contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

- ★ indicates that it is based upon original U.S. source information.
 - T indicates that it is temporary in nature.
 - P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.
- The letter M immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter M is not a part of the chart number.
- The letter N preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.
- Courses and bearings are given in degrees true.
- Light sectors are expressed in degrees true from the vessel TOWARD the light.
- The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.
- The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.
- Section I-2*** contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.
- Section I-3** lists all NIMA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

Section II-1 is a weekly listing of corrections to the NIMA Hydrographic Products Catalog, including new charts and publications. It also contains the latest price category information.

Section II-2* contains corrections to navigation publications, including Sailing Directions, Coast Pilots, Fleet Guides, Radio Navigational Aids (Pub. 117), *The American Practical Navigator* and other related nautical publications.

Section II-3* lists weekly updates to the USCG Light Lists.

Section II-4* lists weekly updates to the NIMA List of Lights.

Section II-5 lists all NIMA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

Section III-1 lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

Section III-2 contains miscellaneous information of particular interest to the maritime community.

*The left-hand pages of these sections are intentionally blank.

**SECTION I
CHART CORRECTIONS**

NM 32/03

★50 (INT 50) (NOS)	6Ed. 6/03 NEW EDITION	32/03	Beacon "B" W (26/03 CG8)	27°51'50.2"N 97°02'58.3"W
★500 (INT 810) (NOS)	8Ed. 6/03 NEW EDITION	32/03	★11312 3Ed. 10/20/01 LAST NM 23/03 Delete Range light, rear Note: Range light, front and range line remain (Supersedes 36/02-11312)	32/03 27°48'39.3"N 97°10'52.3"W
531 21Ed. 2/2/02 LAST NM 24/03 Add Depth 3½ fathoms Obstn [K41] (NOS)		32/03 59°50'N 147°57'W	Buoy "WR101" Buoy "99"	27°51'46.0"N 97°03'00.7"W 27°51'49.9"N 97°02'59.8"W
1116A Add Ed. 11/02 LAST NM 31/03 Dangerous wreck [K28] (PA) Note: Platform close N remains		32/03 28°41.5'N 91°30.2'W	Add Range light, rear Iso 6s 125ft (Day), Iso 6s 128ft (Night), QY 36ft 3M Note: Range bearing unchanged	27°48'39.4"N 97°10'53.3"W
	Platform [L10] Dangerous wreck [K28] (PA)	28°05.3'N 90°44.2'W 28°53.0'N 90°40.0'W	Light "WR101" QG 17ft 4M Beacon "A" W Beacon "B" W (26/03 CG8)	27°51'49.4"N 97°03'01.1"W 27°51'45.6"N 97°03'00.2"W 27°51'50.2"N 97°02'58.3"W
1117A Add Ed. 4/03 LAST NM 31/03 Platform [L10] (26/03 CG8)		32/03 28°29.2'N 95°42.3'W	11314 22Ed. 3/03 LAST NM 22/03 (Side A) Delete Buoy "WR101" Note: Stranded wreck remains	32/03 27°51'46"N 97°03'01"W
11004 Add 7Ed. 10/29/94 LAST NM 30/03 Dangerous wreck [K28] (PA) (26/03 CG8)		32/03 28°41.5'N 91°30.2'W	Substitute Light "WR101" QG 17ft 4M for buoy "99" 27°51'49.4"N 97°03'01.1"W	
★11300 Add 39Ed. 4/03 LAST NM 31/03 Platform [L10] (26/03 CG8)		32/03 28°29.2'N 95°42.3'W	Add Beacon "A" W Beacon "B" W (26/03 CG8)	27°51'45.6"N 97°03'00.2"W 27°51'50.2"N 97°02'58.3"W
11301 Relocate 23Ed. 9/8/01 LAST NM 24/03 Range light, rear from 26°03'57"N 97°11'02"W to Note: Range bearing unchanged (26/03 CG8)		32/03 26°03'57"N 97°10'52" W	★11340 67Ed. 11/02 LAST NM 31/03 Add Dangerous wreck [K28] (PA) Note: Platform close N remains	32/03 28°41.5'N 91°30.2'W
			Platform [L10] Dangerous wreck [K28] (PA) (26/03 CG8)	28°05.3'N 90°44.2'W 28°53.0'N 90°40.0'W
11305 Delete 1Ed. 10/2/99 LAST NM N7/03 Range light, rear Note: Range light, front and range line remain (Supersedes N36/02-11305)		N32/03 27°48'39.4"N 97°10'52.3"W	★11347 33Ed. 7/02 LAST NM 31/03 (Side A) Delete Range light, rear from 29°48'41.0"N 93°21'00.8"W to Note: Range bearing unchanged	32/03 29°48'39.9"N 93°21'01.6"W
	Add Range light, rear Iso 6s 125ft (Day), Iso 6s 128ft (Night), QY 36ft 3M	27°48'39.4"N 97°10'53.3"W	Range light, rear from 30°06'06.7"N 93°19'28.0"W to and change height to 60ft Note: Range bearing unchanged	30°06'09.5"N 93°19'26.0"W
	Note: Range bearing unchanged (26/03 CG8)		(Side B) Relocate Range light, rear from 30°06'06.7"N 93°19'26.8"W to and change height to 60ft Note: Range bearing unchanged (26/03 CG8)	30°06'09.5"N 93°19'26.0"W
11308 Delete 22Ed. 11/02 LAST NM 25/03 (Side A) Range light, rear Note: Range light, front and range line remain		32/03 27°48'39"N 97°10'52" W	★11348 19Ed. 8/25/01 LAST NM 31/03 (Side A) Change Height of range light, rear to 60ft (26/03 CG8)	32/03 30°06'09.5"N 93°19'26.0"W
	Add Range light, rear Iso 6s 125ft (Day), Iso 6s 128ft (Night), QY 36ft 3M	27°48'39.4"N 97°10'53.3"W		
	Note: Range bearing unchanged (26/03 CG8)			
11309 Delete 36Ed. 1/12/02 LAST NM 25/03 Buoy "WR101" Note: Stranded wreck remains		32/03 27°51'46"N 97°03'01"W	★11357 35Ed. 6/02 LAST NM 31/03 Add Dangerous wreck [K28] (PA) (26/03 CG8)	32/03 28°53'00"N 90°40'00"W
	Substitute Light "WR101" QG 17ft 4M for buoy "99" 27°51'49.4"N 97°03'01.1"W		★11358 51Ed. 3/30/02 LAST NM 21/03 Add Platform [L10] (26/03 CG8)	32/03 29°03'55"N 90°10'18.1"W
	Change Range light, rear to Iso 6s 125ft (Day), Iso 6s 128ft (Night), QY 36ft 3M	27°48'39"N 97°10'52" W		
	(Supersedes 36/02-11309)			
	Add Beacon "A" W Beacon "B" W (26/03 CG8)	27°51'45.6"N 97°03'00.2"W 27°51'50.2"N 97°02'58.3"W		
11310 Delete 1Ed. 9/25/99 LAST NM N23/03 Buoy "WR99" Buoy "97"		N32/03 27°51'45.9"N 97°03'00.9"W 27°51'49.5"N 97°02'59.8"W	11365 17Ed. 10/02 LAST NM 9/03 (Side B) Add Platform [L10] (26/03 CG8)	32/03 29°03'55.4"N 90°10'18.1"W
	Add Light "WR101" QG 17ft 4M Beacon "A" W	27°51'49.4"N 97°03'01.1"W 27°51'45.6"N 97°03'00.2"W		

11389	32Ed. 10/13/01 LAST NM 7/03 Delete Legend "Range...(2002)" (Supersedes 7/03-11389) (26/03 CG8)	32/03 30°06'22"N 85°44'54"W	Depth 15 feet Depth 15 feet Legend "rky" Legend "rky" (NOS)	39°43'20"N 75°29'56"W 39°43'25"N 75°29'55"W 39°43'16"N 75°29'58"W 39°43'28"N 75°29'54"W
11390	22Ed. 3/30/02 LAST NM 30/03 (Side A) Delete Legend "Range...(2002)" (Supersedes 7/03-11390)	32/03 30°08'18"N 85°42'11"W	★12316 29Ed. 11/02 LAST NM 6/03 (Side A) Delete Depth 35 feet Add (NOS) Depth 24 feet Wk [K26]	32/03 39°19'42"N 74°25'07"W 39°19'40"N 74°25'06"W
	Change Height of range light, rear to 36ft (26/03 CG8)	30°10'09"N 85°45'26"W		
★11391	22Ed. 5/5/01 LAST NM 21/03 Delete Legend "Range...(2002)" (Supersedes 7/03-11391) (26/03 CG8)	32/03 30°08'23"N 85°42'09"W	12318 41Ed. 12/02 LAST NM 9/03 Add (NOS) Depth 24 feet Wk [K26]	32/03 39°19'40"N 74°25'06"W
★11392	6Ed. 2/12/00 LAST NM 21/03 Delete Range lights (2) and range line between 30°10'09.6"N 85°45'25.8"W 30°10'30.8"N 85°44'13.0"W (Supersedes 21/03-11392)	32/03 30°10'11.74"N 85°45'21.01"W	12354 39Ed. 12/15/01 LAST NM 23/03 Delete Racon from light (24/03 CG1)	32/03 41°03'36"N 73°06'04"W
	Add Range light, front QG 25ft	30°10'09.25"N 85°45'25.90"W	12363 39Ed. 7/15/00 LAST NM 27/03 Delete Racon from light (24/03 CG1)	32/03 41°03'35"N 73°06'05"W
	Range light, rear Oc G 4s 36ft	30°10'09.25"N 85°45'25.90"W		
	Range line extending in 059°54' direction from above rear light dashed for 892 yards, thence solid for 568 yards		★12364 34Ed. 3/03 LAST NM 27/03 (Page D, Inset 7) Change Legend to "15 FT FOR A MID-WIDTH OF 100 FT 2001" Legend to "14 FT FOR A MID-WIDTH OF 100 FT 2001" Legend to "12 1/2 FT MID-WIDTH OF 60 FT 2001"	32/03 41°01'00"N 73°32'13"W 41°01'33"N 73°32'14"W 41°02'08"N 73°32'34"W
	(26/03 CG8)			Legend to "12 FT MID 50 FT 2001" 41°02'00"N 73°32'12"W
★11409	28Ed. 5/03 NEW EDITION (NOS)	32/03		
★11478	20Ed. 5/03 NEW EDITION Change Legend to "WEST BASIN 28 1/2 FT APR 2003 (PROJECT DEPTH 31 FT)" 28°24'49.5"N 80°37'28.0"W Legend to "12 FT APR 2003" 28°24'33.5"N 80°37'04.0"W Legend to "15 FT APR 2003" 28°24'54.0"N 80°36'30.0"W Legend to "33 1/2 FT APR 2003 (PROJECT DEPTH 35 FT)" 28°24'52.0"N 80°36'31.5"W Legend to "MIDDLE BASIN 38 1/2 FT APR 2003 (PROJECT DEPTH 39 FT)" 28°24'43.0"N 80°36'32.0"W Legend to "31 FT APR 2003" 28°24'32.0"N 80°35'51.5"W Legend to "EAST BASIN 39 FT APR 2003 (PROJECT DEPTH 41 FT)" 28°25'06.0"N 80°35'44.0"W Legend to "37 1/2 FT APR 2003" 28°24'31.0"N 80°34'32.0"W (Previously published 28/03)	32/03 28°24'49.5"N 80°37'28.0"W 28°24'33.5"N 80°37'04.0"W 28°24'54.0"N 80°36'30.0"W 28°24'52.0"N 80°36'31.5"W 28°24'43.0"N 80°36'32.0"W 28°24'32.0"N 80°35'51.5"W 28°25'06.0"N 80°35'44.0"W 28°24'31.0"N 80°34'32.0"W (Previously published 28/03)	★12369 25Ed. 6/02 LAST NM 44/02 Delete Racon from light (24/03 CG1)	32/03 41°03'35.3"N 73°06'05.0"W
	Add Depth 37 feet	28°25'02.3"N 80°35'37.9"W	★13244 39Ed. 3/30/02 LAST NM 7/03 Relocate Buoy "GRS" from 41°26'06"N 69°43'20"W to 41°26'08"N 69°43'18"W (24/03 CG1)	32/03 41°03'36"N 73°06'05"W
	Depth 33 feet	28°24'52.7"N 80°37'41.4"W		
	Tabulation of controlling depths from Subsection I-2 (Previously published 28/03)		13260 38Ed. 4/27/02 LAST NM 29/03 Add Open-outlined arrow indicating flow of traffic [M10] oriented 015° 44°39.5'N 66°13.0'W Open-outlined arrow indicating flow of traffic [M10] oriented 195° 44°40.6'N 66°17.5'W (See 26/03-13260) (NTM0002/2003)	32/03 44°39.5'N 66°13.0'W 44°40.6'N 66°17.5'W
	(NOS)			
12201	25Ed. 7/17/99 LAST NM N24/03 Delete Legend "ALPHA" Legend "BRAVO"	N32/03 34°32.5"N 74°27.5'W 34°31.0"N 74°20.5'W	13274 24Ed. 5/12/01 LAST NM 16/03 (Side B) Delete BELL from buoy "2" (23/03 CG1)	32/03 42°40'03"N 70°35'15"W
	Brown hachured line joining	34°30.0'N 74°38.3'W 34°36.0'N 74°30.0'W 34°42.6'N 74°30.0'W 34°30.0'N 74°15.5'W	13278 25Ed. 12/9/00 LAST NM 9/03 Delete BELL from buoy "2" (23/03 CG1)	32/03 42°40'02" 70°35'12"W
	Brown hachured line joining	34°30.0'N 74°26.0'W 34°33.5'N 74°21.0'W 34°35.0'N 74°21.0'W	★13279 30Ed. 3/03 LAST NM 20/03 Delete BELL from buoy "2" (23/03 CG1)	32/03 42°40'02.6" 70°35'14.3"W
	(NTM0002/2003)			
★12312	52Ed. 1/03 LAST NM 24/03 Delete Depth 23 feet	32/03 39°43'14"N 75°30'00"W	13302 21Ed. 11/3/01 LAST NM 9/03 Delete Legend "35 FT 1992" Depth 33 feet Add Depth 36 feet Depth 31 feet Depth 37 feet (NOS)	32/03 44°26'50"N 68°53'51"W 44°26'42"N 68°53'52"W 44°26'57"N 68°53'42"W 44°26'55"N 68°53'56"W 44°26'40"N 68°53'49"W
	Substitute Depth 13 feet for 22 feet	39°43'32"N 75°29'50"W		
	Depth 13 feet for 23 feet	39°43'13"N 75°30'00"W		
	Add Depth 14 feet	39°43'32"N 75°29'58"W		

SECTION I

NM 32/03

★13309	28Ed. 9/02 LAST NM 9/03 Delete Dashed line joining	32/03 44°27'00"N 68°53'59"W 44°27'02"N 68°53'55"W 44°26'58"N 68°53'38"W	14259 3Ed. 3/4/95 LAST NM 39/01 Change Visibility (range) of light to 12M (3(1220)03 Ottawa)	32/03 50°05'20"N 66°22'37"W
	Legend "35 FEET MAY 1992" Depth 33 feet Depth 33 feet	44°26'51"N 68°53'51"W 44°26'57"N 68°53'56"W 44°26'46"N 68°53'56"W		
Add	Depth 36 feet Depth 36 feet Depth 31 feet Depth 34 feet Depth 36 feet Depth 37 feet Depth 37 feet	44°26'57"N 68°53'42"W 44°26'57"N 68°53'50"W 44°26'55"N 68°53'56"W 44°26'53"N 68°53'52"W 44°26'47"N 68°53'46"W 44°26'44"N 68°53'54"W 44°26'40"N 68°53'49"W		
	Dashed line between	44°27'00"N 68°53'59"W 44°26'58"N 68°53'38"W		
(NOS)				
14002	57Ed. 4/15/95 LAST NM 21/02 Change Light to L Fl 6s 110ft 8M (Can LL)	32/03 46°32.0'N 63°30.4'W		
14010	5Ed. 12/17/94 LAST NM 26/03 Change Visibility (range) of light to 12M Visibility (range) of light to 8M (3(1220)03 Ottawa; Can LL)	32/03 50°05.3'N 66°22.6'W 46°32.0'N 63°30.4'W		
14062	17Ed. 5/20/95 LAST NM 14/01 Change Light to Fl G 4s 5m (Can LL)	32/03 44°15.8'N 66°20.9'W		
14110	42Ed. 12/31/94 LAST NM 26/01 Delete Light (3(4306)03 Ottawa)	32/03 45°31'18"N 61°14'58"W		
14111	7Ed. 2/18/95 LAST NM 14/03 Delete Light (3(4306)03 Ottawa)	32/03 45°31'18.3"N 61°14'58.4"W		
14112	5Ed. 2/11/95 LAST NM 26/01 Delete Light (3(4306)03 Ottawa)	32/03 45°31'18"N 61°14'58"W		
14146	2Ed. 2/4/95 LAST NM 31/01 Delete BELL from buoy (3(4023)03 Ottawa)	32/03 46°02'05"N 62°27'08"W		
14151	2Ed. 6/3/95 LAST NM 37/02 Delete BELL from buoy (3(4023)03 Ottawa)	32/03 46°02'05"N 62°27'08"W		
14169	2Ed. 2/11/95 LAST NM 18/95 Change Height of light to 7m (Can LL)	32/03 45°41'18.3"N 62°40'43.0'W		
14184	Ed. 2/19/99 LAST NM N40/01 Delete Range line and legend "018½° and 198½°" between Note: Range lights remain	N32/03 47°55'36.0"N 65°07'24.0"W 47°49'06.0"N 65°10'30.0"W		
Change	Height of light to 23ft Height of light to 40ft	47°49'07.9"N 65°10'35.0"W 47°49'02.1"N 65°10'39.0"W		
Add	Range line extending "025°" direction from front range light solid for 7.3 miles	47°49'07.9"N 65°10'35.0"W		
	Legend "025°-205°" along above range line	47°53'14.0"N 65°07'54.0"W		
	(3(4486)03 Ottawa)			
14228	11Ed. 3/11/95 LAST NM 6/03 (Panel B) Delete Position circle "Tr 307m RLts Stroboscope"	32/03 46°51'41"N 71°04'44"W (3(1317)03 Ottawa)		
14259	3Ed. 3/4/95 LAST NM 39/01 Change Visibility (range) of light to 12M (3(1220)03 Ottawa)			
14260	47Ed. 1/28/95 LAST NM 26/03 Change Visibility (range) of light to 12M (3(1220)03 Ottawa)			
14263	15Ed. 3/25/95 LAST NM 26/03 Change Visibility (range) of light to 12M (3(1220)03 Ottawa)			
14329	5Ed. 1/14/95 LAST NM 20/01 Delete Light (Plan A) Delete Light (3(4634)03 Ottawa)			
14354	2Ed. 3/18/95 LAST NM 42/00 Delete Buoy "EG"			
Add	Buoy "EGS" YBY, pillar, double cone topmark points together, VQ(9) 10s (3(4839)03 Ottawa)			
14758	Ed. 12/15/95 LAST NM N41/01 (Lower Panel) Change Light to Fl R 2.5s 9m Light to Fl G 2.5s 9m			
	(Upper Panel) Delete Dashed line between			
Substitute	Depth 5.1 meters for 5.2 meters			
	Depth 5.8 meters "(2001)" for 5.6 meters "(1993)" 44°41'55.0"N 75°30'06.0"W Depth 6.4 meters "(2001)" for 5.5 meters "(1992)" 44°42'34.6"N 75°28'44.4"W			
Add	Dashed line between			
	Legend "8.2m (2001)"			
Delete	(Inset Prescott/Ogdensburg) Depth 3 meters Depth 8.1 meters			
	Dashed line between			
Substitute	Depth 5.1 meters for 5.2 meters			
	Depth 5.8 meters "(2001)" for 5.6 meters "(1993)" 44°42'01.7"N 75°30'10.5"W Depth 6.4 meters "(2001)" for 5.5 meters "(1992)" 44°42'34.6"N 75°28'44.4"W			
	Depth 2.2 meters for 2.4 meters			
	Depth 5.5 meters for 3.7 meters			
Add	Depth 4.7 meters Depth 4.2 meters			
	Dashed line between			
	Depth 7.2 meters Depth 7.5 meters Legend "8.2m (2001)"			
	(3(1435)03 Ottawa)			
★14926	10Ed. 4/03 NEW EDITION (Page 7) Change Height of light "A" to 10ft			
	41°53'46.7"N 87°36'08.8"W			

(continued on next page)

14926 (Continued)

(Page 29)

Change Height of light "A" to 10ft
(NOS; USCG LL) 41°53'48"N 87°36'08"W

15066 5Ed. 7/12/97 LAST NM 36/97
Add Depth 7.9 meters 32/03
(34728)03 Ottawa

16006 33Ed. 12/23/00 LAST NM 6/03
Add Depth 1 fathom 32/03
(NOS)

16011 35Ed. 12/2/00 LAST NM 31/03
Add Depth 1 fathom 32/03
(NOS)

16013 28Ed. 4/14/01 LAST NM 29/03
Substitute Depth 3½ fathoms for 12 fathoms 32/03

Add Depth 2¾ fathoms Rk [K14.2] 59°54.7'N 148°12.0'W
Depth 3½ fathoms Obstn [K41] 59°49.6'N 147°56.9'W
Depth 2¼ fathoms 59°44.7'N 147°51.6'W
Depth 1 fathom 56°03.6'N 156°38.2'W

(Inset)
Substitute Depth 1 fathom for 28 fathoms 56°03.6'N 156°38.2'W

Add Depth 2¾ fathoms Rk [K14.2] 59°54.7'N 148°12.0'W
(NOS)

16680 10Ed. 7/10/99 LAST NM 6/03
Add Rock awash [K12] 32/03
Depth 7 fathoms Rk [K14.2]
(NOS)

16683 9Ed. 1/29/00 LAST NM 17/03
Add Rock awash [K12] 32/03
Depth 7 fathoms Rk [K14.2]
Depth 2¾ fathoms Rk [K14.2]
(NOS)

16700 27Ed. 3/9/02 LAST NM 22/03
Delete Depth 18 fathoms 32/03

Substitute Depth 4¼ fathoms Rk [K14.2] for 6¼ fathoms 59°55.2'N 148°12.6'W
Depth 4¾ fathoms for 14 fathoms 59°48.6'N 147°57.7'W
Depth 7½ fathoms for 15 fathoms 59°46.6'N 147°58.1'W

Add Rock awash [K12] 59°56.0'N 148°15.3'W
Depth 7 fathoms Rk [K14.2] 59°55.4'N 148°14.0'W
Depth 5½ fathoms Rk [K14.2] 59°55.5'N 148°11.9'W
Depth 2¾ fathoms Rk [K14.2] 59°56.1'N 148°14.0'W
Depth 3½ fathoms Rk [K14.2] 59°55.7'N 148°08.4'W
Depth 2¾ fathoms Rk [K14.2] 59°54.7'N 148°12.3'W
Depth 3½ fathoms Obstn [K41] 59°49.6'N 147°56.9'W
Depth 4½ fathoms 59°49.9'N 147°55.6'W
Depth 5½ fathoms 59°49.3'N 147°55.7'W
Depth 4½ fathoms 59°46.6'N 147°56.9'W
Depth 4¾ fathoms 59°48.2'N 147°58.3'W
Depth 6½ fathoms 59°48.0'N 147°57.6'W
Depth 7½ fathoms 59°47.6'N 147°58.3'W
Depth 7½ fathoms 59°46.9'N 147°58.0'W
Depth 1½ fathoms 59°47.0'N 147°56.7'W
Depth 6 fathoms 59°46.3'N 147°57.0'W
Depth 3½ fathoms 59°46.3'N 147°56.4'W
Depth 2¾ fathoms 59°44.7'N 147°51.6'W
Depth 3¾ fathoms 59°44.3'N 147°51.8'W
(NOS)

★16701 18Ed. 3/9/02 LAST NM 22/03
Delete Depth 9 fathoms 32/03
Substitute Depth 4¼ fathoms Rk [K14.2] for 6¼ fathoms
59°55'10"N 148°12'34"W
Depth 5½ fathoms Rk [K14.2] for 10 fathoms
59°55'32"N 148°11'56"W
Depth 5 fathoms Rk [K14.2] for 15 fathoms
59°55'40"N 148°12'09"W
Depth 3½ fathoms for 11 fathoms
59°49'37"N 147°55'40"W

Depth 4¾ fathoms for 14 fathoms 59°48'36"N 147°57'42"W
Depth 3½ fathoms for 11 fathoms 59°46'18"N 147°56'21"W

Add Rock awash [K12] 59°50'39"N 147°55'04"W
Rock awash [K12] 59°56'01"N 148°15'19"W
Rock awash [K12] 59°56'01"N 148°10'08"W
Rock awash [K12] 59°55'59"N 148°10'34"W
Rock awash [K12] 59°57'40"N 148°12'36"W
Depth 7 fathoms Rk [K14.2] 59°55'23"N 148°13'58"W
Depth 3½ fathoms Rk [K14.2] 59°55'40"N 148°08'26"W
Depth 4¼ fathoms Rk [K14.2] 59°56'02"N 148°09'16"W
Depth 7½ fathoms Rk [K14.2] 59°55'32"N 148°11'31"W
Depth 4¼ fathoms Rk [K14.2] 59°55'46"N 148°11'53"W
Depth 3 fathoms Rk [K14.2] 59°55'53"N 148°10'58"W
Depth 5¾ fathoms Rk [K14.2] 59°55'45"N 148°11'14"W
Depth 2¾ fathoms Rk [K14.2] 59°56'05"N 148°14'01"W
Depth 2¾ fathoms Rk [K14.2] 59°54'44"N 148°12'16"W
Depth 3½ fathoms Obstn [K41] 59°49'35"N 147°56'53"W
Depth 5½ fathoms 59°51'51"N 147°53'45"W
Depth 4½ fathoms 59°49'55"N 147°55'34"W
Depth 5½ fathoms 59°49'17"N 147°55'40"W
Depth 4½ fathoms 59°46'36"N 147°56'55"W
Depth 4¾ fathoms 59°48'09"N 147°58'20"W
Depth 6¾ fathoms 59°48'01"N 147°57'35"W
Depth 7½ fathoms 59°47'34"N 147°58'18"W
Depth 7½ fathoms 59°46'54"N 147°57'57"W
Depth 7½ fathoms 59°46'34"N 147°58'03"W
Depth 1½ fathoms 59°46'59"N 147°56'40"W
Depth 5 fathoms 59°46'54"N 147°57'05"W
Depth 6 fathoms 59°46'15"N 147°57'01"W
Depth 2½ fathoms 59°44'40"N 147°51'33"W
Depth 2¾ fathoms 59°44'22"N 147°51'38"W
Depth 3¾ fathoms 59°44'15"N 147°51'45"W
(NOS)

16702 10Ed. 6/13/98 LAST NM 22/03
Delete Depth 6¾ fathoms 32/03

Substitute Depth 4¼ fathoms Rk [K14.2] for 6¼ fathoms
59°55'10"N 148°12'34"W
Depth 4½ fathoms Rk [K14.2] for 9 fathoms
59°55'46"N 148°11'53"W
Add Rock awash [K12] 59°56'01"N 148°15'19"W
Rock awash [K12] 59°56'01"N 148°10'08"W
Rock awash [K12] 59°55'59"N 148°10'34"W
Rock wash [K12] 59°57'40"N 148°12'36"W
Depth 7 fathoms Rk [K14.2] 59°55'23"N 148°13'58"W
Depth 3½ fathoms Rk [K14.2] 59°55'40"N 148°08'26"W
Depth 4¼ fathoms Rk [K14.2] 59°56'02"N 148°09'16"W
Depth 5¼ fathoms Rk [K14.2] 59°55'32"N 148°11'56"W
Depth 5 fathoms Rk [K14.2] 59°55'40"N 148°12'09"W
Depth 7½ fathoms Rk [K14.2] 59°55'32"N 148°11'31"W
Depth 3 fathoms Rk [K14.2] 59°55'53"N 148°10'58"W
Depth 5¾ fathoms Rk [K14.2] 59°55'45"N 148°11'14"W
Depth 2¾ fathoms Rk [K14.2] 59°56'05"N 148°14'01"W
Depth 2¾ fathoms Rk [K14.2] 59°54'44"N 148°12'16"W
(NOS)

18400 43Ed. 12/02 LAST NM 30/03
Relocate Light from 48°06.6'N 122°46.0'W to
48°06.6'N 122°45.6'W
(NOS)

18415 8Ed. 7/8/95 LAST NM 22/03
Add "Cable Area" [L30.2] bound by shore and
purple dashed line joining
48°37'02"N 123°10'33"W
48°37'05"N 123°10'15"W
48°37'00"N 123°10'14"W
"Cable Area" [L30.2] bound by shore and
purple dashed line between
48°36'53"N 123°10'29"W
48°36'56"N 123°10'09"W
(NOS)

18421 45Ed. 12/02 LAST NM 22/03
Change Characteristic of range light, front to F RWG
49°00'07"N 123°05'27"W

Add "Cable Area" [L30.2] bound by shore and
purple dashed line joining
48°37'02"N 123°10'33"W
48°37'05"N 123°10'15"W
48°37'00"N 123°10'14"W
(continued on next page)

SECTION I

NM 32/03

18421	(Continued)				
	"Cable Area" [L30.2] bound by shore and purple dashed line between	48°36'53"N 123°10'29"W 48°36'56"N 123°10'09"W			32/03
	(NOS; USCG LL)				
18423	33Ed. 10/02 LAST NM 30/03	32/03			
	(Page C)				
Add	"Cable Area" [L30.2] bound by shore and purple dashed line joining	48°37'02"N 123°10'33"W 48°37'05"N 123°10'15"W 48°37'00"N 123°10'14"W			32/03
	"Cable Area" [L30.2] bound by shore and purple dashed line between	48°36'53"N 123°10'29"W 48°36'56"N 123°10'09"W			
	(Page C, Inset 5)				
Add	"Cable Area" [L30.2] bound by shore and purple dashed line joining	48°37'02"N 123°10'33"W 48°37'05"N 123°10'15"W 48°37'00"N 123°10'14"W			32/03
	"Cable Area" [L30.2] bound by shore and purple dashed line between	48°36'53"N 123°10'29"W 48°36'56"N 123°10'09"W			
	(Page E)				
Relocate	Light (2 Fl Y 10s) from 48°06'31"N 122°45'57"W to	48°06'38"N 122°45'34"W			
	Beacon "9" from 48°05'37"N 122°43'38"W to 48°05'33"N 122°43'40"W				
Add	Light Fl (Priv)	48°06'39"N 122°45'30"W			
	(Page F, Inset 9)				
Relocate	Light (2 Fl Y 10s) from 48°06'30.9"N 122°45'57.2"W to	48°06'37.7"N 122°45'34.1"W			
Add	Light Fl (Priv)	48°06'38.7"N 122°45'29.9"W			
(NOS)					
★18433	5Ed. 12/02 LAST NM 22/03	32/03			
Add	"Cable Area" [L30.2] bound by shore and purple dashed line joining	48°37'02.2"N 123°10'33.1"W 48°37'04.7"N 123°10'14.8"W 48°37'00.2"N 123°10'13.7"W			
	"Cable Area" [L30.2] bound by shore and purple dashed line between	48°36'52.9"N 123°10'28.7"W 48°36'55.7"N 123°10'08.9"W			
(NOS)					
18440	26Ed. 12/02 LAST NM 30/03	32/03			
Relocate	Light from 48°06.5"N 122°45.9"W to	48°06.6"N 122°45.6"W			
(NOS)					
18441	42Ed. 5/1/02 LAST NM 30/03	32/03			
Relocate	Light (2 Fl Y 10s) from 48°06'31"N 122°45'57"W to	48°06'38"N 122°45'34"W			
Add	Light Fl (Priv)	48°06'39"N 122°45'30"W			
(NOS)					
18471	8Ed. 1/19/02 LAST NM 30/03	32/03			
Relocate	Beacon "9" from 48°05'35"N 122°43'37"W to 48°05'32.9"N 122°43'39.6"W				
	Beacon "6" from 48°05'12"N 122°44'01"W to 48°05'13.4"N 122°43'58.3"W				
	Light (2 Fl Y 10s) from 48°06'31"N 122°45'56"W to 48°06'37.7"N 122°45'34.1"W				
Add	Light Fl (Priv)	48°06'38.7"N 122°45'29.9"W			
(NOS)					
★18725	27Ed. 6/03 NEW EDITION	32/03			
Add	Wreck [K29] "Rep (2003)" (PA) (Previously published 25/03)	34°07'42"N 119°13'24"W			
(NOS)					
22008	35Ed. 9/6/97 LAST NM 29/03	32/03			
	Add Wreck [K29]	(6(40)03 Callao)	7°03.0'S 80°40.0'W		
22012	31Ed. 11/8/97 LAST NM 29/03	32/03			
	Add Wreck [K29]	(6(43)03 Callao)	18°01.5'S 70°57.5'W		
22120	3Ed. 9/1/01 LAST NM 29/03	32/03			
	Add Platform with light flare symbol [L10]	(6(38)03 Callao)	4°44.3'S 81°21.3'W		
22121	9Ed. 3/2/96 LAST NM 29/03	32/03			
	Add Platform with light flare symbol [L10]	(6(38)03 Callao)	4°44'16"S 81°21'20"W		
22124	2Ed. 4/6/96 LAST NM 29/03	32/03			
	Add Platform with light flare symbol [L10]	(6(40)03 Callao)	4°44'16"S 81°21'20"W		
	(Plan)				
	Substitute Double dashed line with legend "Ruins" for double solid line between	5°05'02.0"S 81°06'50.0'W 5°04'57.0"S 81°06'49.5'W	(6(38, 39)03 Callao)		
22130	2Ed. 6/22/96 LAST NM 29/03	32/03			
	Add Wreck [K29]	(6(40)03 Callao)	7°03.0'S 80°40.0'W		
22180	2Ed. 5/6/95 LAST NM 34/02	32/03			
	Add Dangerous wreck [K28]	(6(42)03 Callao)	15°22.5'S 75°11.9'W		
22183	3Ed. 5/18/96 LAST NM 20/02	32/03			
	Add Dangerous wreck [K28]	(6(42)03 Callao)	15°22'30"S 75°11'56"W		
22361	2Ed. 7/25/84 LAST NM N30/03	N32/03			
	Substitute Depth 12 meters enclosed by depth contour (20-meter) (PA) for 22 meters	(22(2393)03 Taunton)	45°16.7'S 73°26.7'W		
22371	5Ed. 8/9/97 LAST NM 30/03	32/03			
	Substitute Depth 9.2 meters, blue tint and enclosing depth contour (20-meter) (PA) for 12.9 meters	(22(2393)03 Taunton)	45°21.7'S 73°40.7'W		
	Depth 12.8 meters, blue tint and enclosing depth contour (20-meter) (PA) for 22 meters		45°16.7'S 73°26.7'W		
Add	Depth 25 meters (PA)	(22(2393)03 Taunton)	45°25.7'S 73°46.0'W		
22373	1Ed. 8/3/50 LAST NM N30/03	N32/03			
	Substitute Depth 12 meters enclosed by depth contour (20-meter) (PA) for 22 meters	(22(2393)03 Taunton)	45°16.7'S 73°26.7'W		
	Depth 9 meters enclosed by depth contour (20-meter) (PA) for 13 meters		45°21.7'S 73°40.7'W		
Add	Depth 25 meters (PA)	(22(2393)03 Taunton)	45°25.7'S 73°46.0'W		
22379	1Ed. 1/10/85 LAST NM N30/03	N32/03			
	Substitute Depth 9.2 meters, blue tint and enclosing depth contour (20-meter) (PA) for 12.9 meters	(22(2393)03 Taunton)	45°21'45"S 73°40'40"W		
Add	Depth 25 meters enclosed by depth contour (30-meter) centered (PA)	(22(2393)03 Taunton)	45°25'40"S 73°46'00"W		
24050	11Ed. 10/18/97 LAST NM 31/03	32/03			
	Add Buoy Y, pillar, Fl Y 3s	(1(48)03 Montevideo)	35°13.1'S 55°23.7'W		

24060	2Ed. 4/5/97 LAST NM 17/03 Delete "EXPLOSIVE DUMPING AREA" centered	32/03 34°10.5'S 52°55.0'W	Buoy "BR2"	53°03.7'N 3°18.6'E
Add	"EXPLOSIVE DUMPING AREA" [N23.1] bound by purple composite-line circle, radius 3 miles, centered	34°14.0'S 52°55.1'W (17(1928)03 Taunton)	Substitute Disused submarine pipeline [L44] for submarine pipeline between	52°24.4'N 3°45.6'E 52°24.6'N 3°51.7'E
24161	11Ed. 6/8/96 LAST NM 28/03 Change Light to Fl(2) 5s 9m 4M (11(55)03 Rio de Janeiro)	32/03 22°48'00.6"S 43°09'27.0"W	Depth 18.3 meters Wk [K26] for 25.5 meters Wk Depth 18.5 meters Wk [K26] for 18.7 meters Depth 18.7 meters Wk [K26] for 18.9 meters Depth 17.7 meters Wk [K26] for 21 meters	52°33.4'N 3°43.3'E 52°33.7'N 4°20.4'E 52°33.9'N 4°24.6'E 52°35.5'N 4°18.4'E
24162	9Ed. 8/3/96 LAST NM 28/03 Change Light to Fl(2) 5s 9m 4M (11(55)03 Rio de Janeiro)	32/03 22°48'00.6"S 43°09'27.0"W	Add Foul ground symbol [K31] Foul ground symbol [K31] (PD) Foul ground symbol [K31] (PD) Foul ground symbol [K31] (40(568), 42(594, 595), 43(599), 50(687)01, 16(242)03 's-Gravenhage)	51°57.3'N 3°42.9'E 51°57.9'N 3°46.4'E 51°56.5'N 3°47.8'E 51°56.2'N 3°44.5'E
24460	4Ed. 11/6/93 LAST NM 29/03 (Panel A) Change Light to Fl 10½s 87m 28M Racon (48/03 Caracas)	32/03 12°21.3'N 70°54.1'W		
25524	43Ed. 6/10/95 LAST NM 26/03 Add Depth 28 meters Wk [K26] (PD) Depth 10 meters Wk [K26] (PA) (4(53, 54)02 Brest)	32/03 14°34'36"N 61°03'47"W 14°30'53"N 61°06'02"W		
25526	2Ed. 6/10/95 LAST NM 24/03 Add Depth 10 meters Wk [K26] (PA) (4(53)02 Brest)	32/03 14°30'53"N 61°06'02"W		
25527	31Ed. 12/10/94 LAST NM 24/03 Add Depth 28 meters Wk [K26] (PD) (4(54)02 Brest)	32/03 14°34'35.6"N 61°03'47.4"W		
★25677	20Ed. 5/03 NEW EDITION (NOS)	32/03		
★25683	18Ed. 5/03 NEW EDITION (NOS)	32/03		
37095	3Ed. 10/26/96 LAST NM 22/03 Delete Danger circle "Obstn"	32/03 49°21.8'N 0°46.1'W		
Add	Danger circle "Obstn" [K40] Danger circle "Obstn" [K40] (PD) (1(1), 7(12)02 Brest)	49°21.8'N 0°45.5'W 49°24.9'N 0°54.1'W		
37106	4Ed. 1/23/99 LAST NM 31/03 Add Danger circle "Obstn" [K40] (18(17)01 Brest)	32/03 50°37'51"N 1°33'13"E		
37110	11Ed. 4/24/99 LAST NM 31/03 Add Danger circle "Obstn" [K40] (18(17)01 Brest)	32/03 50°37.9'N 1°33.2"E		
37115	2Ed. 5/10/97 LAST NM 31/03 Add Danger circle "Obstn" [K40] (18(17)01 Brest)	32/03 50°37.9'N 1°33.2"E		
37120	2Ed. 3/22/97 LAST NM 30/03 Add Depth 21.5 meters Wk [K26] (26(20)01 Brest)	32/03 51°24.0'N 2°09.5'E		
37140	33Ed. 5/25/96 LAST NM 30/03 Add Depth 21.5 meters Wk [K26] (26(20)01 Brest)	32/03 51°24.0'N 2°09.5'E		
37150	8Ed. 12/20/97 LAST NM 27/03 Delete Buoy "BR1" (16(242)03 's-Gravenhage)	32/03 52°54'07"N 3°21'55"E		
37162	12Ed. 5/18/96 LAST NM 30/03 Delete Buoy "BR1"	32/03 52°54.1'N 3°21.9'E		
37163	19Ed. 5/9/98 LAST NM 13/02 (Panel A) Delete Buoy "IJm 2"	32/03 52°28'00"N 4°33'47"E		
Change	Designation of buoy "NK 3" to "NK 7"	52°28'03"N 4°35'02"E		
Add	Buoy "NK 2" R, can, Iso R 4s Buoy "NK 3" G, conical, Iso G 4s Buoy "NK 5" G, conical, L FI G 5s (50(690)01 's-Gravenhage)	52°28'00"N 4°34'00"E 52°27'56"N 4°34'20"E 52°28'00"N 4°34'41"E		
37164	4Ed. 1/25/97 LAST NM 30/03 (Panel A) Add Buoy "Slib 2", conical, FI Y 5s	32/03 52°15'11"N 4°24'17"E		
Substitute	Depth 18.5 meters Wk [K26] for 18.7 meters Depth 18.7 meters Wk [K26] for 18.9 meters Depth 17.7 meters Wk [K26] for 21 meters (41(576), 43(599)01 's-Gravenhage)	52°33'44"N 4°20'23"E 52°33'58"N 4°24'35"E 52°35'28"N 4°18'23"E		
37165	2Ed. 2/3/96 LAST NM 30/03 Delete Buoy "TE13" Buoy "TE16" Buoy "VL4"	32/03 53°41.0'N 6°11.0'E 53°50.2'N 6°14.1'E 53°25.9'N 4°31.8'E		
Change	Designation of buoy "VL6" to "VL4"	53°32.9'N 4°49.4'E		
Add	Buoy "TE7" G, conical, L FI G 10s (16(240, 244)03 's-Gravenhage)	53°41.8'N 6°13.8'E		
37166	2Ed. 7/13/96 LAST NM 30/03 Delete Buoy Buoy Buoy Buoy	32/03 53°46.7'N 4°19.9'E 52°54.1'N 3°21.9'E 53°03.7'N 3°18.6'E 53°25.9'N 4°31.8'E		
Substitute	Disused submarine pipeline [L44] for submarine pipeline between	52°24.4'N 3°45.6'E 52°24.6'N 3°51.7'E		
	Depth 18.3 meters Wk [K26] for 25.5 meters Wk Depth 17.7 meters Wk [K26] for 21 meters (42(594, 595), 43(599)01, 14(209), 16(242, 244)03 's-Gravenhage)	52°33.4'N 3°43.3'E 52°35.5'N 4°18.4'E		
37221	13Ed. 2/3/96 LAST NM 30/03 Delete Buoy "TE13" Buoy "TE16"	32/03 53°41.0'N 6°11.0'E 53°50.2'N 6°14.1'E		
Add	Buoy "TE7" G, conical, L FI G 10s (16(240)03 's-Gravenhage)	53°41.8'N 6°13.8'E		
37223	14Ed. 9/2/95 LAST NM 30/03 Delete Buoy "WFE" Buoy "TE13" Buoy "TE16"	32/03 53°46.7'N 4°19.9'E 53°41.0'N 6°11.0'E 53°50.2'N 6°14.1'E		

(continued on next page)

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NM 32/03

37223 (Continued) Buoy "VL4" Change Designation of buoy "VL6" to "VL4" Add Buoy YB, pillar, double cone topmark points downward Buoy "TE7" G, conical, L Fl G 10s (42(587)01, 14(209), 16(240), 244(03) 's-Gravenhage)	53°25.9'N 4°31.8'E 53°32.9'N 4°49.4'E 53°21.0'N 5°01.9'E 53°41.8'N 6°13.8'E	37248 18Ed. 2/14/98 LAST NM 30/03 Add Depth 9.3 meters (48(660)01 's-Gravenhage)	51°34'31.2"N 3°18'48.6"E 32/03
37241 17Ed. 8/2/97 LAST NM 30/03 Add Foul ground symbol [K31] Foul ground symbol [K31] (PD) Foul ground symbol [K31] (PD) Foul ground symbol [K31] (40(568), 50(687)01 's-Gravenhage)	51°57'20"N 3°42'51"E 51°57'53"N 3°46'26"E 51°56'30"N 3°47'48"E 51°56'13"N 3°44'27"E	37265 3Ed. 3/22/97 LAST NM 17/03 Delete Danger circle "Obstn" (1(1)02 Brest)	32/03 49°21'46"N 0°46'04"W
37242 10Ed. 5/16/98 LAST NM 30/03 (Panel A) Delete Light Light "4" Light "5" Light "6" Light "7"	51°58'10.8"N 4°07'42.0"E 51°56'57.6"N 4°10'07.2"E 51°56'39.0"N 4°10'45.6"E 51°56'25.2"N 4°11'26.4"E 51°56'11.4"N 4°12'09.0"E	37362 6Ed. 7/12/97 LAST NM 22/03 Substitute Depth 8.7 meters Wk [K26] for foul ground symbol (7(18)02 Brest)	32/03 47°14'02"N 2°15'45"W
Change Designation of buoy "8" to "17" Designation of buoy "9" to "19" Designation of buoy "10" to "21" Designation of buoy "11" to "23" Designation of buoy "12" to "25" Designation of buoy "13" to "27" Designation of light "1" to "3" Designation of light "2" to "5" (41(575), 43(605)01 's-Gravenhage)	51°56'00.6"N 4°12'36.0"E 51°55'48.6"N 4°12'57.6"E 51°55'34.8"N 4°13'18.0"E 51°55'21.6"N 4°13'36.0"E 51°55'07.2"N 4°13'57.0"E 51°54'54.6"N 4°14'17.4"E 51°57'49.8"N 4°08'34.2"E 51°57'36.0"N 4°08'57.0"E	37363 8Ed. 8/23/97 LAST NM 17/03 Substitute Depth 8.7 meters Wk [K26] for foul ground symbol (7(18)02 Brest)	32/03 47°14'01.8"N 2°15'44.5"W
37243 7Ed. 5/23/98 LAST NM 30/03 (Panel B) Delete Buoy "O 54" (50(686)01 's-Gravenhage)	51°48'17.4"N 4°38'16.2"E	43030 24Ed. 4/5/97 LAST NM 30/03 Add Depth 37 meters Wk Depth 35 meters Wk Depth 41 meters Wk Depth 40 meters Wk (51-52(443-446)02 Kopenhagen)	32/03 57°36.3'N 11°06.5'E 57°36.7'N 11°04.9'E 57°31.3'N 11°10.9'E 57°31.9'N 11°08.8'E
37244 11Ed. 2/1/97 LAST NM 30/03 Substitute Depth 4.8 meters for 5.6 meters	51°35.0'N 3°22.5'E	43360 21Ed. 1/4/97 LAST NM 30/03 Add Depth 37 meters Wk Depth 35 meters Wk Depth 41 meters Wk Depth 40 meters Wk (51-52(443-446)03 Kopenhagen)	32/03 57°36.3'N 11°06.5'E 57°36.7'N 11°04.9'E 57°31.3'N 11°10.9'E 57°31.9'N 11°08.8'E
37246 14Ed. 5/16/98 LAST NM 30/03 Delete Buoy "17" Buoy "PvT-SPR" Light from buoy "21" Light Light Light and legend "HORN" Light Dashed line (ferry route) between	51°22'48"N 3°42'54"E 51°22'29"N 3°43'14"E 51°21'39"N 3°44'51"E 51°25'59"N 4°01'51"E 51°25'58"N 4°01'56"E 51°24'04"N 4°01'12"E 51°24'03"N 4°01'17"E 51°24'06"N 4°01'18"E 51°25'55"N 4°01'50"E	43384 1Ed. 9/14/91 LAST NM 27/03 Substitute Submarine pipeline [L40.1] joining	32/03 58°21'05"N 11°13'38"E 58°20'50"N 11°13'52"E 58°20'16"N 11°13'21"E Shellfish cultivation area "Clams" [K47] bound by dashed line joining 58°23'29"N 11°23'12"E 58°23'28"N 11°23'14"E 58°24'40"N 11°24'47"E 58°24'42"N 11°24'45"E
Substitute Foul ground symbol [K31] for depth 22.5 meters Wk Foul ground symbol [K31] for depth 17.5 meters Wk	51°26'18"N 4°00'28"E 51°26'04"N 3°37'34"E	(Plan A) Delete Rock awash (Plan B) Delete Crane symbol Relocate Buoy from 58°20'34.9"N 11°54'17.2"E to 58°20'35.9"N 11°54'20.5"E Buoy from 58°20'52.6"N 11°54'22.5"E to 58°20'52.2"N 11°54'21.1"E (See 23/03-43384)	58°12'18.0"N 11°29'37.0"E 58°12'18.9"N 11°29'38.2"E 58°20'39.5"N 11°53'53.5"E 58°20'40.0"N 11°53'54.0"E 58°20'34.9"N 11°54'17.2"E to 58°20'35.9"N 11°54'20.5"E Buoy from 58°20'52.6"N 11°54'22.5"E to 58°20'52.2"N 11°54'21.1"E (See 23/03-43384)
Add Buoy "PvT-SPR" BY, pillar, double cone topmark points upward, VQ [Q130.3]	51°22'50"N 3°42'56"E	Substitute Depth 7 meters for 7.5 meters Depth 10.3 meters for 9 meters	58°20'45.0"N 11°53'38.5"E 58°20'51.0"N 11°54'06.0"E
Buoy "17" G, conical Light Iso G 8s to buoy "19" (14(204, 211, 214), 15(222)03 's-Gravenhage)	51°22'29"N 3°43'29"E 51°22'05"N 3°44'09"E	Change Shape of buoy to can (See 4/03-43384)	58°20'38.4"N 11°54'04.8"E
Add Buoy "PvT-SPR" BY, pillar, double cone topmark points upward, VQ [Q130.3]	51°22'50"N 3°42'56"E	Add Blue tint area (harbor basin) bound by sea and solid line joining	58°20'38.7"N 11°53'53.8"E 58°20'51.5"N 11°53'49.2"E 58°20'52.0"N 11°53'55.8"E 58°20'39.0"N 11°54'00.0"E and delete all topography within above area
Buoy "17" G, conical Light Iso G 8s to buoy "19" (14(204, 211, 214), 15(222)03 's-Gravenhage)	51°22'29"N 3°43'29"E 51°22'05"N 3°44'09"E	Substitute Depth 8.2 meters Depth 10 meters Depth 12 meters	58°20'38.5"N 11°53'57.5"E 58°20'48.0"N 11°53'53.8"E 58°20'53.0"N 11°54'11.0"E
(10(129), 35(476), 48(677)02, 8(956), 26(1245)03 Norrkoping)		Add Depth 37 meters Wk Depth 35 meters Wk Depth 41 meters Wk Depth 40 meters Wk	32/03 57°36'16"N 11°06'27"E 57°36'45"N 11°04'52"E 57°31'20"N 11°10'53"E 57°31'54"N 11°08'51"E
44036 5Ed. 8/31/96 LAST NM 30/03			(51-52(443-446)03 Kopenhagen)

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44040	23Ed. 7/20/96 LAST NM 30/03 Add Depth 37 meters Wk Depth 35 meters Wk Depth 41 meters Wk Depth 40 meters Wk (51-52(443-446)03 Kobenhavn)	32/03 57°36.3'N 11°06.5'E 57°36.7'N 11°04.9'E 57°31.3'N 11°10.9'E 57°31.9'N 11°08.8'E	"Seaplane Landing Area" [N13] bound by dashed line joining 54°07'05"N 12°05'38"E 54°07'36"N 12°05'38"E 54°07'36"N 12°05'24"E 54°07'05"N 12°05'24"E (25(1672)03 Hamburg)
44042	7Ed. 8/22/92 LAST NM 29/03 Relocate Beacon from 57°42'36.0"N 11°40'49.0"E to 57°42'33.6"N 11°40'51.0"E and add legend "Valen Stang"	32/03	
Change	Legend to "Beacons in line 028°54'" 57°35'06.0"N 11°38'06.0"E		
	Legend to "Lts in line 253°54'" 57°38'22.0"N 11°39'13.0"E		
	Legend to "Lts in line 079°36'" 57°41'06.0"N 11°51'06.0"E		
Add	Buoy Y, spar, "X" topmark Depth 8.6 meters Depth 11 meters	57°41'51.3"N 11°54'40.1"E 57°41'36.3"N 11°50'42.0"E 57°41'37.5"N 11°50'46.0"E	
	Dashed line joining	57°41'38.5"N 11°50'45.5"E 57°41'36.5"N 11°50'43.4"E 57°41'35.7"N 11°50'41.0"E 57°41'35.8"N 11°50'39.6"E 57°41'37.2"N 11°50'41.8"E	
	Legend "4.5 m"	57°43'56.8"N 11°59'42.0"E	
	Rock awash [K12] with legend "Rks" 57°41'15.0"E 11°53'27.6"E		
	Solid line (pier) [F14] between	57°41'13.2"N 11°53'45.6"E 57°41'15.6"N 11°53'39.6"E	
	Submarine pipeline (conduit) [L41.1] between	57°42'30.0"N 11°39'57.6"E 57°42'33.0"N 11°40'22.8"E	
	Submarine cable [L30.1] between	57°42'30.0"N 11°39'57.6"E 57°42'33.0"N 11°40'22.8"E	
	"Fishing Prohibited Area" [N21] bound by purple composite line joining	57°37'16.8"N 11°38'01.2"E 57°38'07.8"N 11°39'40.8"E 57°38'13.2"N 11°40'01.2"E 57°38'19.2"N 11°40'59.4"E 57°38'09.0"N 11°41'06.6"E 57°37'01.2"N 11°39'36.6"E	
	"Fishing Prohibited Area" [N21] bound by purple composite line joining	57°39'18.0"N 11°38'34.2"E 57°39'16.8"N 11°40'00.0"E 57°38'49.2"N 11°40'00.0"E 57°38'55.2"N 11°38'25.2"E	
(3(26), 42(573), 46(640), 48(691)02, 11(991), 21(1168), 1174), 26(1246)03 Norrkoping)			
44047	22Ed. 2/8/97 LAST NM 30/03 Delete Light	32/03 55°45.3'N 11°48.0"E	
Add	Buoy BY, spar (51-52(449, 450)03 Kobenhavn)	55°45.2'N 11°47.6"E	
44050	21Ed. 10/28/95 LAST NM 20/03 Relocate Buoy from 55°39'56.0"N 12°38'19.0"E to 55°39'56.9"N 12°38'21.8"E (51-52(452)03 Kobenhavn)	32/03	
44061	21Ed. 9/7/96 LAST NM 24/03 (Plan B) Add Danger Circle "Obstn" [K40] (51-52(453)03 Kobenhavn)	32/03 55°40'40"N 9°46'26"E	
44076	3Ed. 8/30/97 LAST NM 30/03 Change Buoy to (undesignated) Y, barrel, Fl 2s	32/03 54°07'36"N 12°05'24"E	
Add	Buoy Y, barrel, Fl 2s Buoy Y, barrel, Fl 2s Buoy Y, barrel, Fl 2s	54°07'36"N 12°05'38"E 54°07'05"N 12°05'38"E 54°07'05"N 12°05'24"E	
44184 9Ed. 5/11/96 LAST NM 22/03 Change Characteristic of light to Fl(3) WRG 9s 59°18'48.0"N 18°48'36.0"E Note: Sectors remain unchanged			
Add	Dangerous submerged rock [K13] 59°23'59.2"N 18°38'08.3"E Dangerous submerged rock [K13] 59°24'09.6"N 18°39'01.8"E (43(788)01, 33(599), 37(493)02 Norrkoping)		
44185	7Ed. 3/23/96 LAST NM 27/03 Change Characteristic of light to Fl(3) WRG 9s 59°18'48.0"N 18°48'36.0"E Note: Sectors remain unchanged (43(788)01 Norrkoping)	32/03 60°20.1'N 28°43.0'E 60°19.9'N 28°42.4'E (47(7243)01 St. Petersburg)	
★51641	4Ed. 8/24/96 LAST NM 48/96 (Plan A) Delete Stranded wreck (PA)	32/03 6°20'21.0"N 10°47'56.5"W	
Relocate	Buoy "7" from 6°20'45.0"N 10°48'32.0"W to 6°20'48.1"N 10°48'31.2"W and add legend "(PD)"	6°20'48.1"N 10°48'31.2"W	
	Buoy "9" from 6°20'38.2"N 10°48'19.8"W to 6°20'40.2"N 10°48'19.2"W and add legend "(PD)"	6°20'40.2"N 10°48'19.2"W	
Add	Stranded wreck Stranded wreck	6°20'35.1"N 10°47'45.1"W 6°20'24.6"N 10°47'57.3"W	
	Land tint to area bound by breakwater and solid line joining	6°20'48.2"N 10°48'44.7"W 6°20'49.2"N 10°48'36.5"W 6°20'45.1"N 10°48'27.0"W 6°20'40.8"N 10°48'23.7"W 6°20'38.3"N 10°48'23.3"W 6°20'36.0"N 10°48'25.9"W 6°20'37.9"N 10°48'29.0"W 6°20'35.4"N 10°48'30.4"W 6°20'32.0"N 10°48'28.7"W	
	Land tint to area bound by breakwater and solid line joining	6°20'28.4"N 10°48'25.0"W 6°20'23.7"N 10°48'15.3"W 6°20'20.4"N 10°48'11.7"W 6°20'11.0"N 10°48'06.8"W	
	and delete land tint seaward of above line		
	Land tint to area bound by shore and solid line between	6°21'25.0"N 10°47'45.0"W 6°20'14.1"N 10°47'36.9"W (NTM0019/2003)	
55082	9Ed. 5/11/96 LAST NM 25/03 (Plan) Change Characteristic of light to Fl Bu 3s	32/03 46°30'34.8"N 30°44'11.0"E (41(6333)01 St. Petersburg)	
55101	4Ed. 8/24/96 LAST NM 25/03 Add Light Q(6) + L Fl 15s to buoy "1" Buoy Y, pillar, "X" topmark Position circle "MAST",	32/03 46°55'35"N 31°57'35"E 46°55'37"N 31°58'08"E 46°37'53"N 31°51'31"E	
	Buoy G, pillar, cone topmark, Fl G 3s 46°56'07"N 31°59'04"E		
	Buoy R, pillar, can topmark, Fl R 3s 46°56'05"N 31°59'07"E (39(6007), 41(6337), 46(7098)01 St. Petersburg)		

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55102	3Ed. 8/10/96 LAST NM 25/03 Add Position circle "MAST"	32/03 46°37'53"N 31°51'31"E	Depth 11.1 meters for 12.7 meters Buoy W, can for beacon	30°02'37"N 47°57'26"E 30°05'18"N 47°56'57"E	
	Buoy YBY, pillar, double cone topmark points together, Q(9) 15s (37(5694), 41(6337)01 St. Petersburg)	46°36'35"N 31°31'47"E	Change Least depth reported in channel on line 6 of note in left upper margin of chart from "8.7m" to "5.7m" Least depth reported along center line in channel on line 6 of note in left upper margin of chart from "10.4m" to "9.2m"		
55127	2Ed. 4/20/96 LAST NM 27/03 Change Legend to "8.6m (2001)" Legend to "8.6m (2001)" (See 14/03-55127)	32/03 46°56'50.0"N 37°28'13.0"E 46°59'02.0"N 37°28'54.0"E	Period of buoy "30" to 10s	30°01'30"N 48°03'29"E	
	(Plan) Change Legend to "8.6m (2001)" (38(5860)01 St. Petersburg)	47°02'32.0"N 37°30'04.0"E	Add Legend "CAUTION NO 6" to stranded wreck	30°09'21"N 47°54'00"E	
55128	2Ed. 3/18/00 LAST NM 28/03 (Plan) Change Berth designation to "13P"	32/03 44°43'30.5"N 37°48'40.1"E	Depth 3.1 meters	30°11'52"N 47°52'57"E	
	Add Berth designation "12P" [F19] (40(6186)01 St. Petersburg)	44°43'32.1"N 37°48'34.2"E	(Plan) Substitute Depth 5.7 meters for 8.7 meters Depth 2.9 meters for 9.7 meters Buoy R, pillar for beacon	30°00'08.0"N 47°58'24.0"E 30°01'58.0"N 47°57'27.0"E 30°02'03.0"N 47°57'08.0"E	
			Depth 11.1 meters for 12.7 meters	30°02'37.0"N 47°57'24.0"E	
			(BA CH 1238)		
55130	2Ed. 2/8/97 LAST NM 19/03 Add Light L Fl 5s 11M Ra Ref (47(7267)01 St. Petersburg; BA LL)	32/03 45°41.6'N 33°02.4'E	62480	2Ed. 3/1/03 LAST NM 18/03 Delete Depth 56 meters Well (unsurveyed)	32/03 26°40.3'N 52°00.7'E
55200	2Ed. 8/17/96 LAST NM 28/03 Delete Buoy (mooring) (40(6183)01 St. Petersburg)	32/03 44°59.5'N 35°45.9"E	Substitute Platform with light flare symbol for dotted-line circle "Well"	26°37.2'N 52°04.1'E	
★62095	3Ed. 2/1/03 LAST NM 11/03 Add "Under construction (2001)" area with land tint bound by shore and dashed line joining 11°35'32.1"N 43°08'09.1"E 11°35'36.9"N 43°08'05.7"E 11°35'40.3"N 43°08'08.3"E 11°35'45.3"N 43°08'01.7"E 11°35'42.4"N 43°07'59.1"E 11°35'45.5"N 43°07'54.9"E 11°35'49.7"N 43°07'58.8"E 11°35'50.7"N 43°07'57.5"E 11°35'45.5"N 43°07'52.9"E 11°35'37.1"N 43°08'04.7"E 11°35'31.8"N 43°08'08.7"E (NTM0042/2002)	32/03	62490	2Ed. 3/1/03 LAST NM 21/03 Delete Depth 56 meters Well (unsurveyed)	32/03 26°40.3'N 52°00.7'E
			Substitute Platform with light flare symbol for dotted-line circle "Well"	26°37.2'N 52°04.1'E	
			(25(2650)03 Taunton)		
62142	10Ed. 4/22/00 LAST NM 28/02 Delete Pilot station symbol and legend "Bashayer" 19°35'00.0"N 37°20'00.0"E	32/03	62520	6Ed. 3/15/03 LAST NM 28/03 Delete Dotted-line circle "Well"	32/03 26°37.1'N 52°04.0"E
	Add Pilot station symbol with legend "Bashayer" [T1.2]	19°35'30.0"N 37°16'00.0"E	Substitute Platform with light flare symbol for depth 56 meters Well (unsurveyed) Platform with light flare symbol for depth 44 meters Well (unsurveyed)	26°40.3'N 52°00.7'E 26°32.1'N 51°58.3'E	
	(Plan) Add Pilot station symbol with legend "Bashayer" [T1.2]	19°35'30.0"N 37°16'00.0"E (25(2656)03 Taunton)	Add Platform with light flare symbol	26°37.2'N 52°04.1'E	
			Submarine pipeline between	26°37.2'N 52°04.1'E 26°40.3'N 52°00.7'E	
			Submarine pipeline joining	26°37.2'N 52°04.1'E 26°36.5'N 52°03.5'E 26°36.2'N 52°00.7'E 26°35.5'N 52°00.1'E (25(2650)03 Taunton)	
62143	3Ed. 4/8/00 LAST NM 28/02 Delete Pilot station symbol and legend "Bashayer" 19°35'00"N 37°20'00"E Pilot station symbol and legend "Bashayer" 19°15'00"N 37°30'00"E	32/03	62521	4Ed. 3/15/03 LAST NM N28/03 Delete Dotted-line circle "Well"	N32/03 26°37.1'N 52°04.0"E
	Add Pilot station symbol with legend "Bashayer" [T1.2]	19°35'30.0"N 37°16'00"E (25(2656)03 Taunton)	Substitute Platform with light flare symbol for depth 56 meters Well (unsurveyed) Platform with light flare symbol for depth 44 meters Well (unsurveyed)	26°40.3'N 52°00.7'E 26°32.1'N 51°58.3'E	
			Add Platform with light flare symbol	26°37.2'N 52°04.1'E	
			Submarine pipeline between	26°37.2'N 52°04.1'E 26°40.3'N 52°00.7'E	
			Submarine pipeline joining	26°37.2'N 52°04.1'E 26°36.5'N 52°03.5'E 26°36.2'N 52°00.7'E 26°35.5'N 52°00.1'E (25(2650)03 Taunton)	
62250	4Ed. 8/7/99 LAST NM 38/02 Delete Pilot station symbol (25(2656)03 Taunton)	32/03 19°35.5'N 37°20.0"E	62530	6Ed. 3/8/03 LAST NM 28/03 Delete Danger circle "Well"	32/03 26°37.1'N 52°04.0"E
62270	4Ed. 8/7/99 LAST NM 29/03 Delete Pilot station symbol (25(2656)03 Taunton)	32/03 19°35.5'N 37°20.0"E	Substitute Platform with light flare symbol for depth 56 meters Well (unsurveyed)	26°40.3'N 52°00.7'E	
62437	10Ed. 6/7/03 LAST NM 30/03 Substitute Depth 5.7 meters for 8.7 meters Depth 2.9 meters for 9.7 meters Buoy R, pillar for beacon	32/03 30°00'08"N 47°58'24"E 30°01'58"N 47°57'27"E 30°02'03"N 47°57'08"E	(continued on next page)		

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62530	(Continued)			
	Platform with light flare symbol for depth 44 meters Well (unsurveyed)	26°32.1'N 51°58.3'E		Light to Iso 2s & Fl(2) 6s 23°49'08.8"S 151°15'36.4"E Legend to "Dir 113°36'" 23°47'23.0"S 151°11'11.0"E
Add	Platform with light flare symbol	26°37.2'N 52°04.1'E		Period of buoy to 4s 23°47'14.3"S 151°10'57.1"E
	Submarine pipeline between	26°37.2'N 52°04.1'E 26°40.3'N 52°00.7'E		Period of buoy to 4s 23°47'03.7"S 151°10'42.1"E
	Submarine pipeline joining	26°37.2'N 52°04.1'E 26°36.5'N 52°03.5'E 26°36.2'N 52°00.7'E 26°35.5'N 52°00.1'E		Period of buoy to 4s 23°46'57.6"S 151°10'29.5"E Period of buoy to 4s 23°47'01.6"S 151°10'23.2"E (See 27/03-74205)
	(25(2650)03 Taunton)			
62531	4Ed. 3/8/03 LAST NM N28/03	N32/03		
Delete	Danger circle "Well"	26°37.1'N 52°04.0'E		
Substitute	Platform with light flare symbol for depth 56 meters Well (unsurveyed)	26°40.3'N 52°00.7'E		Change Period of buoy to 4s 23°47'14.3"S 151°10'57.1"E
	Platform with light flare symbol for depth 44 meters Well (unsurveyed)	26°32.1'N 51°58.3'E		Period of buoy to 4s 23°47'03.7"S 151°10'42.1"E
Add	Platform with light flare symbol	26°37.2'N 52°04.1'E		Period of buoy to 4s 23°46'57.6"S 151°10'29.5"E
	Submarine pipeline between	26°37.2'N 52°04.1'E 26°40.3'N 52°00.7'E		Period of buoy to 4s 23°47'01.6"S 151°10'23.2"E Legend to "Dir 113°36'" 23°47'16.0"S 151°10'54.0"E (See 27/03-74206)
	Submarine pipeline joining	26°37.2'N 52°04.1'E 26°36.5'N 52°03.5'E 26°36.2'N 52°00.7'E 26°35.5'N 52°00.1'E		
	(25(2650)03 Taunton)			
62550	3Ed. 2/22/03 LAST NM 28/03	32/03		
Delete	Dotted-line circle "Well"	26°37'06"N 52°04'00"E		
Substitute	Platform "EA" with light flare symbol for depth 56 meters Well (unsurveyed)	26°40'18"N 52°00'45"E		
	Platform "FA" with light flare symbol for depth 44 meters Well (unsurveyed)	26°32'05"N 51°58'16"E		
Add	Platform "DA" with light flare symbol	26°37'09"N 52°04'05"E		
	Dotted-line circle "Manifold"	26°35'29"N 52°01'57"E		
	Dotted-line circle "Well"	26°36'39"N 52°01'03"E		
	Submarine pipeline between	26°37'09"N 52°04'05"E 26°40'18"N 52°00'45"E		
	Submarine pipeline joining	26°37'09"N 52°04'05"E 26°36'30"N 52°03'27"E 26°36'11"N 52°00'45"E 26°35'33"N 52°00'06"E		
	(25(2650)03 Taunton)			
74200	8Ed. 8/3/96 LAST NM 8/03	32/03		
Delete	Dangerous wreck	23°41'20"S 151°23'44"E		
Substitute	Depth 18.4 meters Wk [K26] for dangerous wreck	23°45'24"S 151°26'34"E		
Add	Depth 14.1 meters Wk [K26]	23°41'20"S 151°23'37"E		
(10(333)03 Wollongong)				
74201	9Ed. 1/28/95 LAST NM 27/02	32/03		
Change	Vertical clearance of bridge to "4.7"	23°51'33.0"S 151°18'15.0"E		
(9(306)03 Wollongong)				
74204	5Ed. 8/23/97 LAST NM 8/03	32/03		
Delete	Dangerous wreck	23°41'20"S 151°23'44"E		
Substitute	Depth 18.4 meters Wk [K26] for dangerous wreck	23°45'24"S 151°26'34"E		
Add	Depth 14.1 meters Wk [K26]	23°41'20"S 151°23'37"E		
(10(333)03 Wollongong)				
74205	2Ed. 11/12/94 LAST NM 27/03	32/03		
Change	Characteristic of beacon to Q & Fl Y 2.5s	23°48'51.1"S 151°14'50.7"E		
	Light to Iso 2s 16m (F by day (occas))	23°48'01.9"S 151°15'53.8"E		
74206	2Ed. 5/2/98 LAST NM 27/03	32/03		
(Plan B)				
Change	Period of buoy to 4s	23°47'14.3"S 151°10'57.1"E		
	Period of buoy to 4s	23°47'03.7"S 151°10'42.1"E		
	Period of buoy to 4s	23°46'57.6"S 151°10'29.5"E		
	Period of buoy to 4s	23°47'01.6"S 151°10'23.2"E		
Add	Vertical clearance [D20] "4.7" meters to bridge	23°51'27.6"S 151°18'17.4"E		
	Light Fl R 3s	23°51'05.6"S 151°17'48.0"E		
(9(306)03 Wollongong)				
74545	3Ed. 7/19/97 LAST NM 18/03	32/03		
Relocate	Buoy from 28°45.9'S 114°32.7'E to (10(341)03 Wollongong)	28°46.2'S 114°31.7'E		
74550	4Ed. 6/14/97 LAST NM 5/03	32/03		
Relocate	Buoy from 28°45.9'S 114°32.7'E to (10(341)03 Wollongong)	28°46.2'S 114°31.7'E		
74560	10Ed. 7/18/98 LAST NM 31/03	32/03		
Relocate	Buoy from 28°45.9'S 114°32.7'E to (10(341)03 Wollongong)	28°46.2'S 114°31.7'E		
(Plan A)				
Delete	Buoy	28°45'54.0"S 114°32'43.5"E		
(10(341)03 Wollongong)				
75001	3Ed. 6/13/92 LAST NM 31/03	32/03		
Delete	Buoy and legend "Numerous mooring buoys"	33°52.78"S 122°01.67"E		
(10(353)03 Wollongong)				
	(Supersedes 5/03-75001)			
75132	11Ed. 3/19/94 LAST NM 29/03	32/03		
Delete	Dashed line joining	34°49'30.0"S 138°30'28.2"E 34°49'35.4"S 138°30'25.2"E 34°49'36.0"S 138°30'24.0"E (See 25/03-75132)		
Change	Legend "8.7m" to "9.7m"	34°49'31.2"S 138°30'27.0"E		
Add	Dashed line (maintained depth area limit) joining	34°49'29.6"S 138°30'27.2"E 34°49'30.1"S 138°30'28.5"E 34°49'36.2"S 138°30'25.2"E 34°49'35.7"S 138°30'23.9"E		
	Legend "8.7m"	34°49'27.0"S 138°30'29.4"E		
(11(371)03 Wollongong)				
75160	6Ed. 2/11/95 LAST NM 25/03	32/03		
Add	Danger circle [K1] centered	38°42.5'S 142°57.5"E 38°43.2'S 142°57.6"E		
	Restricted area bound by purple composite-line circle, radius 1 mile, centered	38°42.8'S 142°57.6"E		
	Legend "Minerva Prod Wells"	38°42.8'S 142°55.5"E		
(10(342)03 Wollongong)				

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75176	9Ed. 9/16/00 LAST NM 26/03 Delete Beacon (11(373)03 Wollongong)	32/03 38°05'29.0"S 144°25'35.4"E	95080	13Ed. 6/24/95 LAST NM 31/03 Add Buoy R, pillar, cone topmark, Fl R 6s (17(284)03 Inchon)	32/03 36°09'20"N 126°28'24"E
75264	17Ed. 10/3/98 LAST NM 27/03 Add Depth 1.8 meters, blue tint and enclosing depth contour (5-meter) (10(331)03 Wollongong)	32/03 33°47'57.2"S 151°18'02.9"E	95146	14Ed. 5/14/94 LAST NM 31/03 Delete Purple composite line between	32/03 35°07'02"N 128°40'02"E 35°06'48"N 128°40'00"E
75265	2Ed. 6/19/99 LAST NM 31/03 Delete Depth 18.3 meters	32/03 33°47'51"S 151°17'58"E		Purple composite line between	35°06'45"N 128°40'00"E 35°05'56"N 128°40'14"E
	Add Depth 1.8 meters, blue tint and enclosing depth contour (5-meter) (10(331)03 Wollongong)	33°47'57"S 151°18'03"E		Purple composite line joining	35°05'54"N 128°40'13"E 35°05'30"N 128°39'46"E 35°06'09"N 128°37'43"E 35°07'38"N 128°36'38"E 35°08'15"N 128°36'22"E 35°09'02"N 128°36'24"E 35°09'05"N 128°36'36"E
*81092	3Ed. 7/02 LAST NM 50/02 Add Chartlet A, depicting changes to compass rose, from Subsection I-2 Chartlet B, depicting changes to compass rose, from Subsection I-2 Chartlet C, depicting changes to compass rose, from Subsection I-2 Chartlet D, depicting changes to compass rose, from Subsection I-2	32/03 18°12'00"N 145°48'00"W 18°08'00"N 145°44'00"W 18°04'00"N 145°48'00"W 18°00'00"N 145°44'00"W		Add "Prohibited Area" [N2.2] bound by shore and purple composite line joining	35°07'07"N 128°40'02"E 35°06'46"N 128°40'02"E 35°05'51"N 128°40'23"E 35°05'31"N 128°39'47"E 35°06'11"N 128°37'42"E 35°08'11"N 128°36'20"E 35°08'56"N 128°36'37"E
	Add (Inset) (NOS)	Chartlet, depicting changes to compass rose, from Subsection I-2		Buoy "11" G, pillar, can topmark, Fl G 4s	35°04'57"N 128°50'10"E
		20°00'00"N 145°12'00"W		Buoy "46" R, pillar, cone topmark, Fl R 4s	35°05'21"N 128°49'27"E
				(17(269), 18(292)03 Inchon)	
94080	7Ed. 9/23/95 LAST NM 22/03 Add Depth 49 meters Obstn "(Fish haven)" [K46.1] Depth 25 meters Obstn "(Fish haven)" [K46.1] Depth 25 meters Obstn "(Fish haven)" [K46.1] Depth 45 meters Obstn "(Fish haven)" [K46.1]	32/03 22°07.8'N 120°24.2'E 22°14.1'N 120°18.3'E 22°13.7'N 120°11.7'E 21°55.5'N 120°32.1'E	95147	13Ed. 5/14/94 LAST NM 31/03 Delete Breakwater in vicinity	32/03 35°08'24.0"N 128°40'25.0"E 35°08'36.0"N 128°40'24.0"E
	Fish haven symbol [K46.1] marked by buoy Y, spherical, Fl(12) Or 60s	22°18.7'N 120°19.5'E		Purple composite line between	35°07'07.0"N 128°39'58.0"E 35°07'02.0"N 128°40'00.0"E
	(36/03 Tso-ying)			Purple composite line between	35°07'00.0"N 128°40'02.0"E 35°06'50.0"N 128°39'59.0"E
				Purple composite line between	35°06'45.0"N 128°40'00.0"E 35°05'55.0"N 128°40'17.0"E
				Purple composite line joining	35°05'51.0"N 128°40'12.0"E 35°05'32.0"N 128°39'47.0"E 35°05'45.0"N 128°38'52.0"E 35°06'10.0"N 128°36'41.0"E 35°07'27.0"N 128°36'49.0"E 35°07'35.0"N 128°36'40.0"E 35°08'11.0"N 128°36'20.0"E 35°09'02.0"N 128°36'23.0"E 35°09'05.0"N 128°36'35.0"E
94280	5Ed. 12/16/95 LAST NM 15/03 Delete "No 1 Pilot and Quarantine Anchorage" area in vicinity	32/03 34°49'15"N 119°42'00"E		Buoy "A" Buoy "B"	35°11'34.4"N 128°34'40.6"E 35°11'58.1"N 128°34'41.6"E
	Change Legend to "No 1 Pilot and Quarantine Anchorage" in vicinity (See 15/03-94280) (6(88)03 Tianjin)	34°48'33"N 119°47'27"E		(See 1/03-95147)	
94283	7Ed. 5/25/96 LAST NM 12/03 Delete Buoy "Bijia Dao" (See 20/01-94283)	32/03 36°00'44.7"N 120°15'42.0"E		Add "Prohibited Area" [N2.2] bound by shore and purple composite line joining	32/03 35°07'07.0"N 128°40'02.0"E 35°06'46.0"N 128°40'02.0"E 35°05'51.0"N 128°40'23.0"E 35°05'31.0"N 128°39'47.0"E 35°06'11.0"N 128°37'42.0"E 35°08'11.0"N 128°36'20.0"E 35°08'56.0"N 128°36'37.0"E
	Add Buoy "401" G, pillar, cone topmark, Fl(3) G 10s Buoy "402" R, pillar, can topmark, Fl(3) R 10s Buoy "403" G, pillar, cone topmark, Fl(2) G 6s Buoy "404" R, pillar, can topmark, Fl(2) R 6s Buoy "405" G, pillar, cone topmark, Fl G 4s Buoy "406" R, pillar, can topmark, Fl R 4s	36°00'22.7"N 120°15'20.9"E 36°00'20.6"N 120°15'28.5"E 35°59'43.8"N 120°15'04.8"E 35°59'41.9"N 120°15'12.4"E 35°59'06.3"N 120°14'46.1"E 35°59'00.9"N 120°14'55.3"E		Buoy "A" Y, pillar, "X" topmark, Fl Y 4s Buoy "B" Y, pillar, "X" topmark, Fl Y 4s Buoy "C" Y, pillar, "X" topmark, Fl Y 4s	35°04'16.0"N 128°38'08.3"E 35°04'13.5"N 128°38'14.9"E 35°04'05.2"N 128°38'09.4"E
	(6(86, 87)03 Tianjin)			(17(267, 269), 20(320, 321)03 Inchon)	
95066	11Ed. 11/21/98 LAST NM 31/03 Delete Depth 12.3 meters	32/03 37°15'18"N 126°25'15"E	95149	9Ed. 6/12/99 LAST NM 30/03 Delete Beacons (2) and range line between	32/03 35°04'06"N 129°04'00"E 35°03'30"N 129°03'21"E
	Add Depth 13.7 meters Depth 14.9 meters	37°15'41"N 126°25'23"E 37°15'19"N 126°25'13"E			
	(23(378)03 Inchon)				

(continued on next page)

95149	(Continued)	
	Beacons (2) and range line between	
	35°03'30"N 129°04'54"E 35°02'54"N 129°04'14"E	
	Dashed line and legend "Measured Distance...311°00'" between	
	35°03'34"N 129°03'30"E 35°02'58"N 129°04'18"E	
Relocate	Buoy "1" from 35°08'30"N 129°07'48"E to and change characteristic to Fl G 5s	35°08'27"N 129°07'58"E
	Buoy "2" from 35°08'32"N 129°07'56"E to and change characteristic to Fl R 5s	35°08'35"N 129°08'07"E
	(17(261, 263)03 Inchon)	
95152	5Ed. 7/23/94 LAST NM 31/03	32/03
Delete	Anchor berth "K-4" and legend "(see Note)" in vicinity (See 6/03-95152)	35°02'30.2"N 128°59'02.2"E
Add	Legend "Hanjin Wharf" Legend "Korwell" (See 28/97-95152)	35°03'45.0"N 128°59'39.0"E 35°05'00.0"N 129°00'22.0"E
	(17(264)03 Inchon)	
95153	2Ed. 4/23/94 LAST NM 25/03	32/03
Delete	Light	35°09'13.3"N 129°07'39.8"E
Relocate	Buoy "1" from 35°08'30.1"N 129°07'48.0"E to and change characteristic to Fl G 5s	35°08'26.6"N 129°07'57.8"E
	Buoy "2" from 35°08'32.4"N 129°07'55.6"E to and change characteristic to Fl R 5s	35°08'35.1"N 129°08'06.8"E
	Buoy "3" from 35°08'45.9"N 129°07'43.6"E to and change characteristic to Fl G 5s	35°08'37.6"N 129°07'40.8"E
	Buoy "4" from 35°08'47.8"N 129°07'50.6"E to and change characteristic to Fl R 5s	35°08'46.1"N 129°07'49.8"E
	(17(261), 19(310)03 Inchon)	
95172	1Ed. 8/28/93 LAST NM 21/03	32/03
Add	"Fish haven" area with blue tint [K46] bound by dotted line (limiting danger line) joining	36°39'32.5"N 129°25'56.5"E 36°39'32.5"N 129°26'06.5"E 36°39'24.5"N 129°26'06.5"E 36°39'24.5"N 129°25'56.5"E
	"Fish haven" area with blue tint [K46] bound by dotted line (limiting danger line) joining	36°39'22.5"N 129°26'25.0"E 36°39'50.5"N 129°26'46.5"E 36°39'45.0"N 129°26'58.5"E 36°40'00.5"N 129°27'09.5"E 36°39'54.5"N 129°27'24.5"E 36°39'06.5"N 129°26'53.0"E
	"Fish haven" area with blue tint [K46] bound by dotted line (limiting danger line) joining	36°39'49.5"N 129°28'03.5"E 36°39'48.5"N 129°28'16.5"E 36°39'14.0"N 129°28'09.5"E 36°39'15.5"N 129°27'55.5"E
	(19(306)03 Inchon)	
96763	7Ed. 8/22/98 LAST NM 17/03	32/03
Add	Chartlet, depicting changes in hydrography, from Subsection I-2	42°58'50.0"N 144°22'34.0"E
	(9(292)03 Tokyo)	

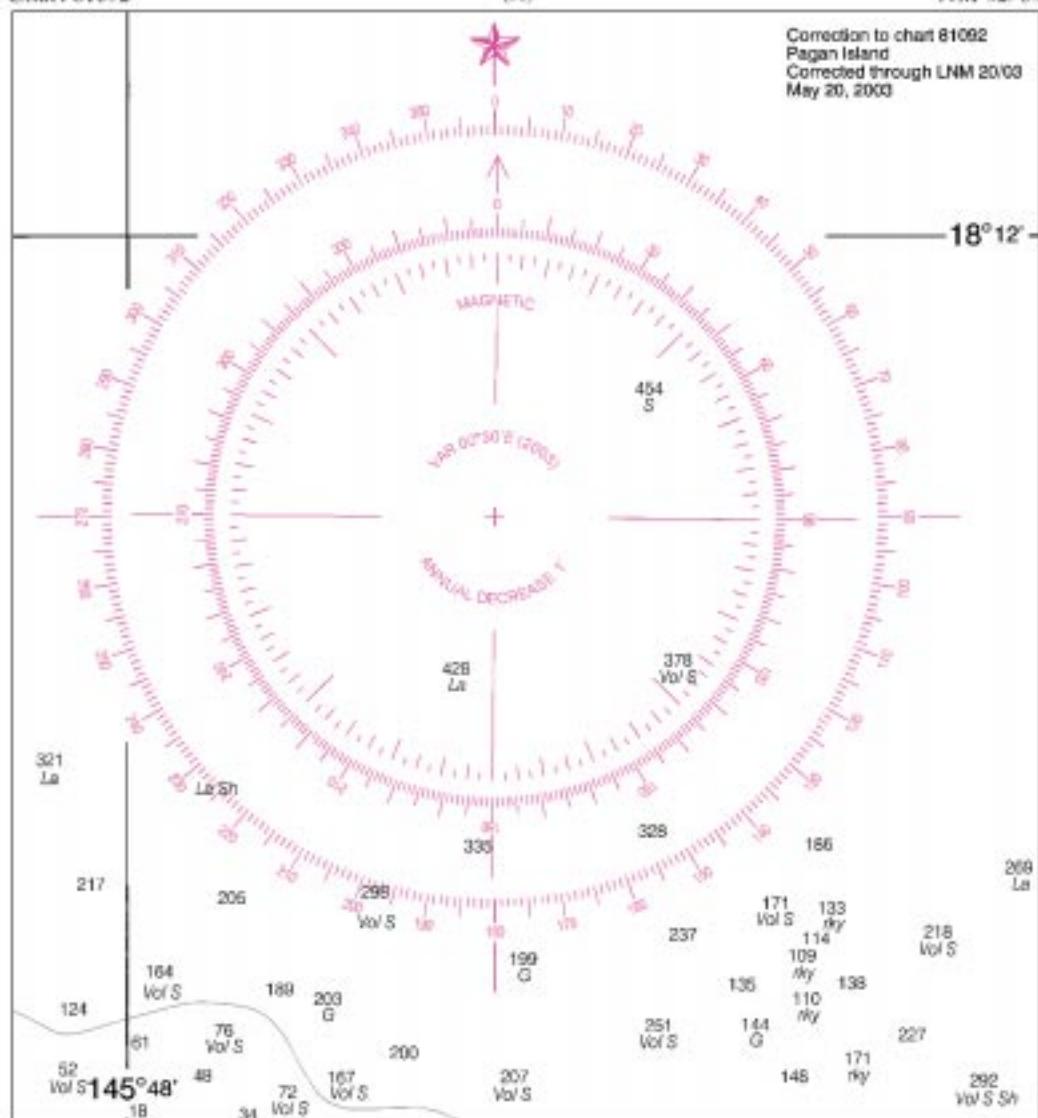
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Chart 81092

(A)

NM 32/03



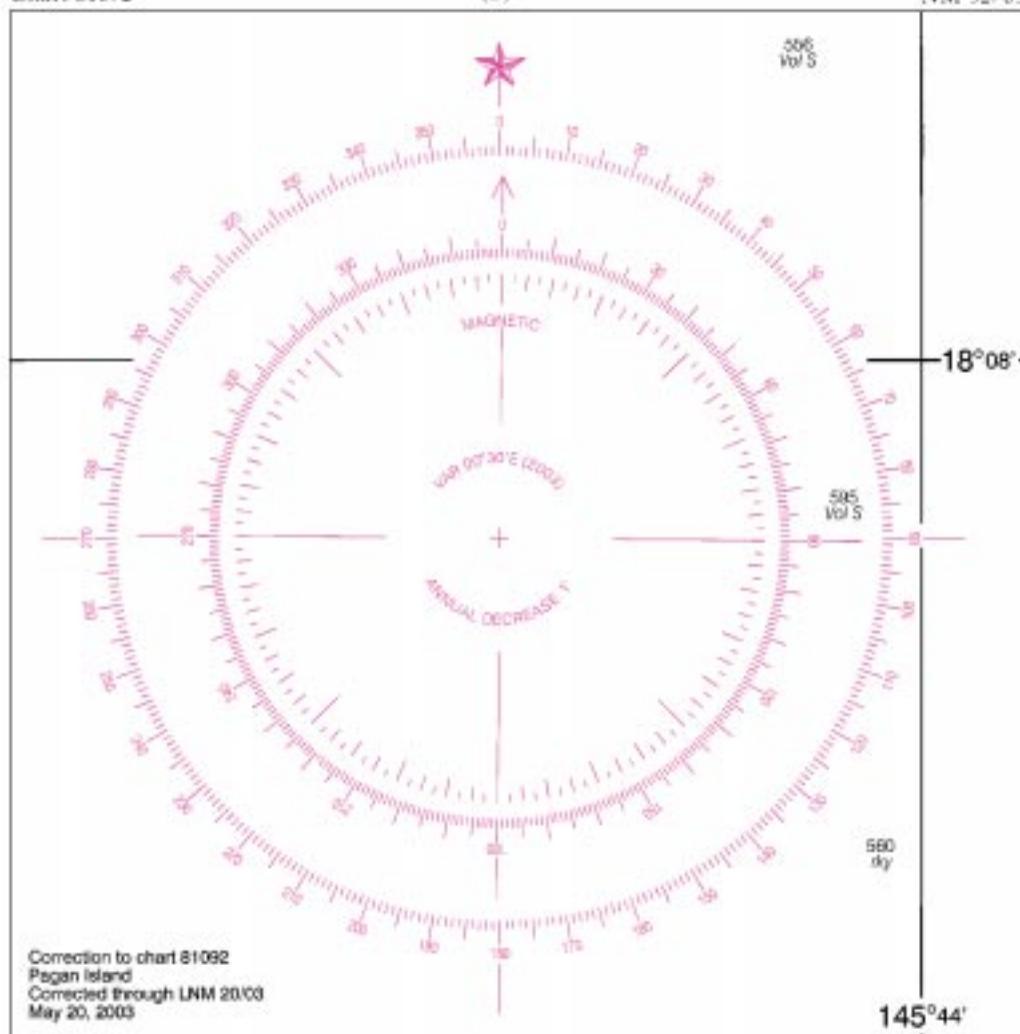
SECTION I

NM 32/03

Chart 81092

(B)

NM 32/03



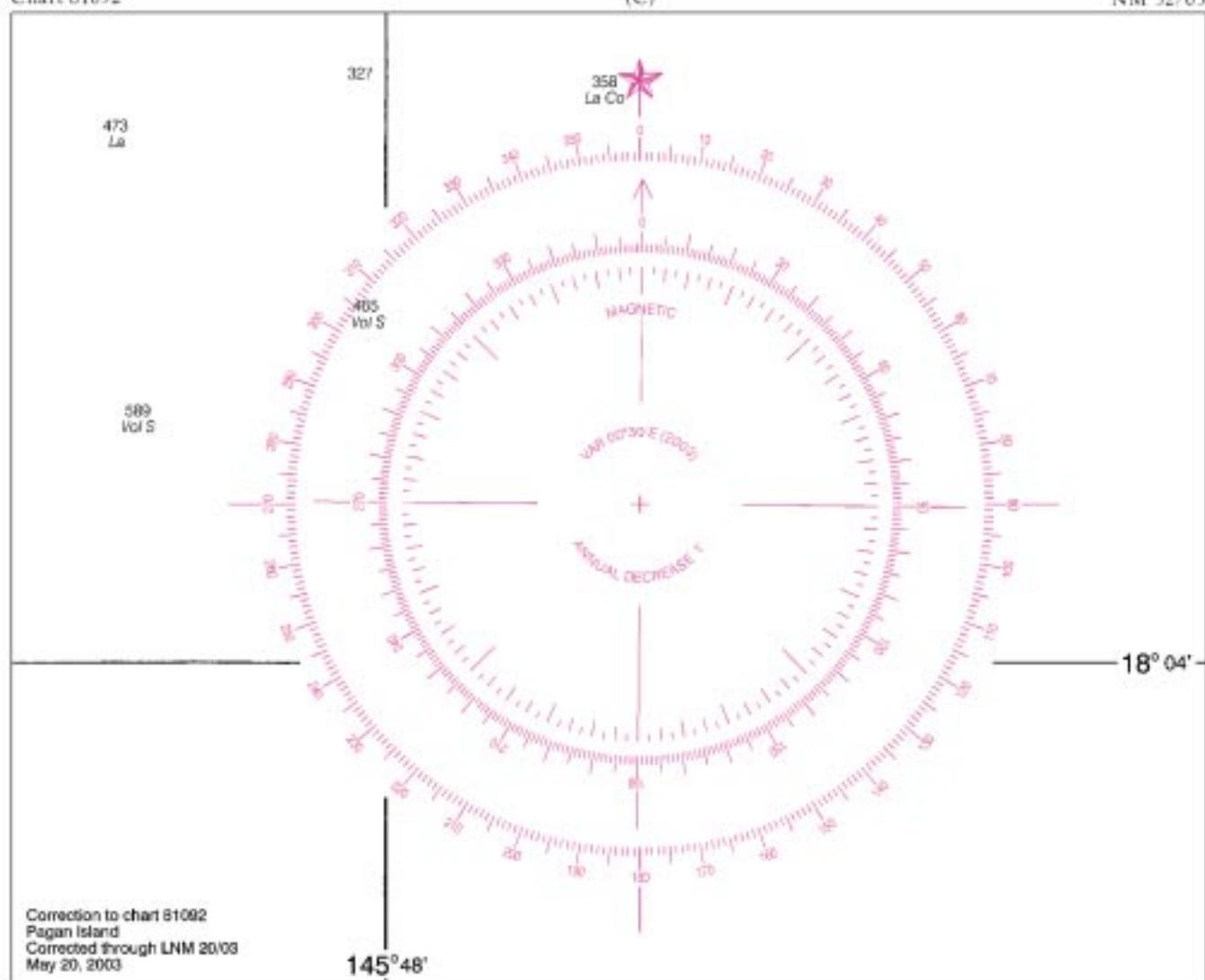
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Chart 81092

(C)

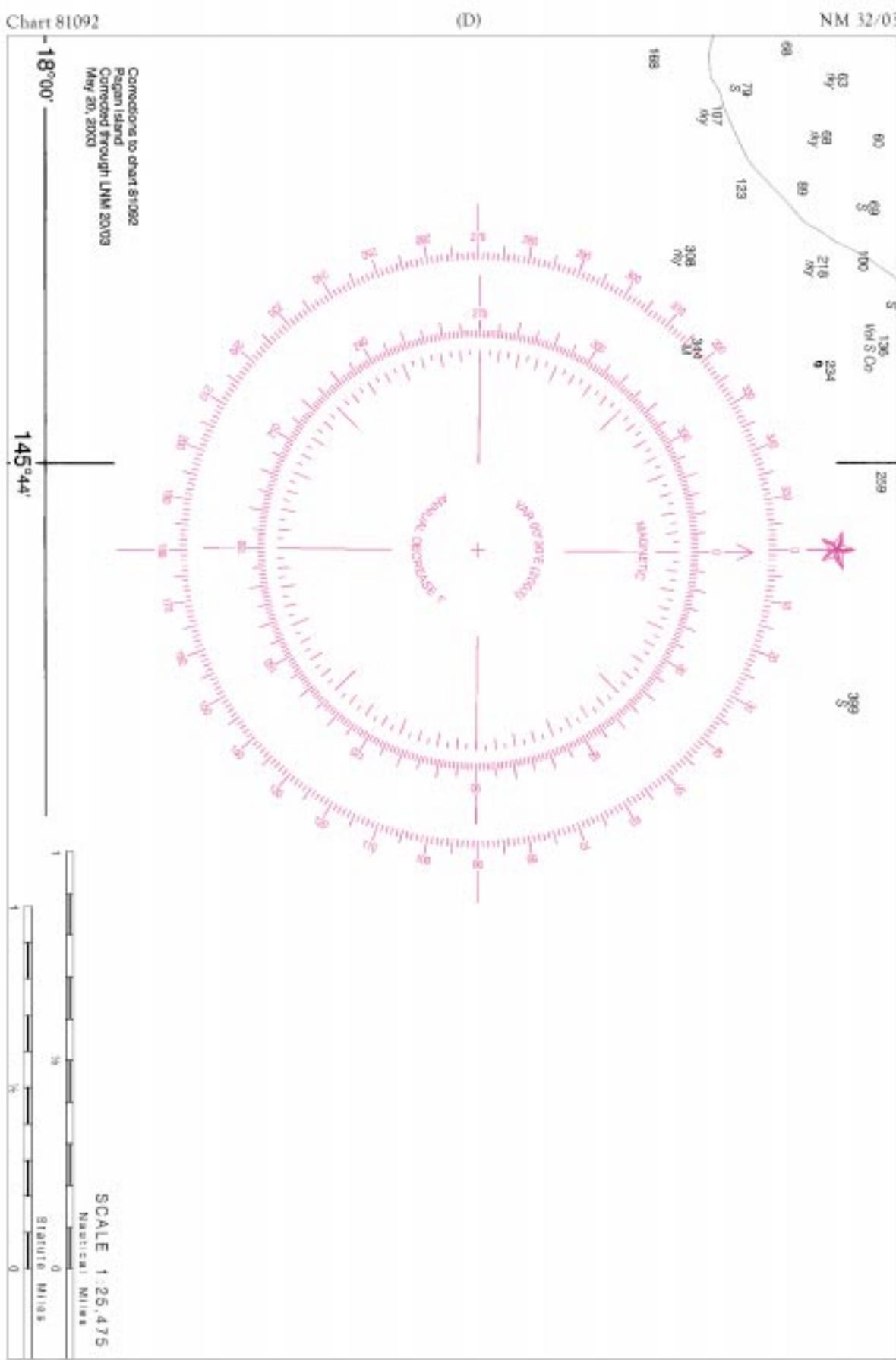
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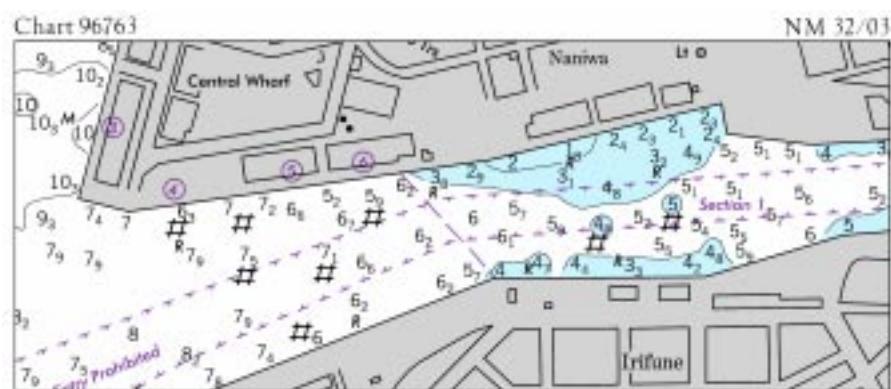
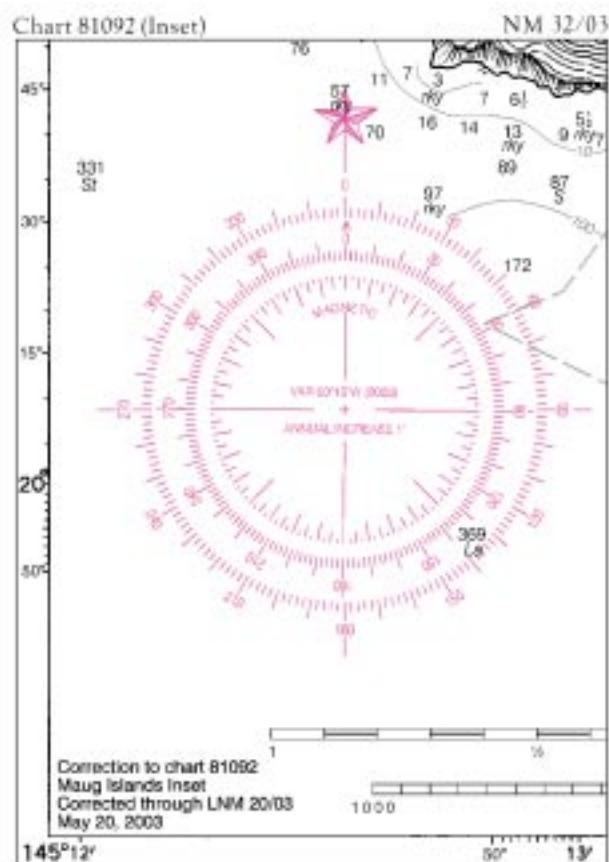
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Chart 11478

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PORT CANAVERAL CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2003 AND SURVEYS OF APR 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS			
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
OUTER REACH	41.2	41.1	41.6	40.8	4-03	400	5.5	44
MIDDLE REACH	43.7	44.2	43.8	37.6	4-03	400	0.9	44
INNER REACH	37.8	41.6	40.9	37.8	4-03	400	0.8	40
WEST ACCESS CHANNEL (EAST PORTION)	37.8	40.6	41.0	39.1	4-03	400	0.3	39
WEST ACCESS CHANNEL (WEST PORTION)	30.5	34.4	35.1	34.6	4-03	400	0.3	31

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 20/02 THROUGH NM 32/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
 * indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
97220	3	21,24,31,37,39,42,43, 44/02;6,8,9,17,18,23, 29/03	97390	5	31,39,40/02;2,5,12,16/03
97221	20	21,24,31,37,39,42,44,45, 49,52/02;6,8,9,10,13,17, 18,19,20,22,23,25,26, 29/03	97391	26	31/02;6,7,12,16/03
97222	12	25,28,47/02;10,22,29/03	97392	5	21/02;1,21,23,26/03
97223	3	42,44,48/02;16,17,22, 23/03	97396	14	21,36,39,40/02;2,16,17, 23/03
97224	6	25,27,46,47,49/02	97397	7	25,39,49/02;16,26/03
97225	31	21,24,37,39,42,44,45/02; 6,8,9,10,17,18,19,23, 25/03	97400	3	25,26/02;1,12,17,21/03
97226	7	18/03	97410	8	21/02;17,19/03
97227	11	21,24,42,43/02;9,18, 30/03	97412	7	40/02
97228	15	21,28,30,39,40,42,43/02; 5,6,9,15,17,18,20,21,22, 27,29/03	97420	17	21,34,39,42,47,52/02;1,8, 10/03
97229	12	24,27,31,36,39,47/02;6,8, 9,18,28/03	97421	13	20,35,36/02;1,10,13,20, 26/03
97230	18	29,36,52/02;6,9,28/03	97423	2	20,35,36/02;1,13,20, 26/03
97231	11	21,41/02;6,23/03	97425	6	34,39,47,52/02;1,6,8, 10/03
97232	8	20,25/02;22,25/03	97440	8	20,23,27,52/02;1,16,19, 27/03
97233	11	31,33,43,44,49/02;1,5,6, 9,15,16,23/03	97441	5	20,46/02
97234	17	29,43,47,49/02;1,6,8,9, 16/03	97443	6	15,19,25/03
97236	20	31,47/02;9,16,23/03	97460	7	40/02;5,19,21/03
97239	10	31,33/02;1,5,9,16,23/03	97461	9	21/02;5,8,19,21,22,23, 26/03
97241	6	10/03	97465	9	21/02;1,6,8,19,20,22/03
97243	8	21,28,29,31,33,48/02;1,5, 6,21,27/03	97466	2	25,46/02;1,23,27/03
97244	5	9/03	97469	10	26/02;1,6,8,19,20,22/03
97245	11	28,36/02;1,5,9,29/03	97471	5	N31/02;N22/03
97246	7	43,52/02;5/03	97472	8	34/02
97251	4	6,10,17/03	97474	7	21/02;22/03
97261	15	41/02;1,5,7,18,21,26/03	97480	7	21,35,52/02;3,9,10,17,18, 21/03
97262	10	21,29,34/02;1,5,6,7,15, 21,26/03	97481	6	47,49/02;9,18,20/03
97263	10	5,7,9,15,18,21/03	97483	7	48,52/02;20/03
97266	5	37,41/02;1,5,6,7,14,15, 18,26/03	97521	6	42/02;16,18,20/03
97267	16	25,29,40,41/02;1,5,6,8, 10,13,18,26,27/03	97564	3	16/03
97268	10	6/03	800669	8	N20/02
97269	11	20,45/02;8,13,18,27/03	800744	1	N22,N49/02;N5,N12, N13,N16/03
97270	6	36,44/02;1,5/03	801217	1	N21/02;N6,N8,N19,N20, N22/03
97271	12	25,29,37,39/02;6,10,12, 26/03	801885	3	N28/02
97272	11	52/02;6,10,12,14,23/03	801902	9	N25,N31/03
97273	10	27,34,42,45,49/02;6,8,9, 13,14,15,18/03	802202	8	N23,N31,N35/02;N1, N7/03
97274	19	27,31,34,39,45/02;6,9,15, 17,18,23/03	802260	5	N20/02
97276	1	27,29,40/02;9/03	803404	2	N26/02
97277	11	27/02;1,5,6,8,9,14/03	804037	1	N28/02
97278	11	39/02;1,20/03	804059	2	N20/02
97279	9	27/02;9,27/03	804567	4	N31/03
97280	4	52/02	805118	3	N12/03
97281	2	41/02	805647	2	N37,N51/02;N30/03
97283	3	45/02;9/03	806927	8	N25,N30/03
97285	6	23,27,31,34,42/02;7,13, 17/03	807370	5	N17,N25,N30,N31/03
97286	6	21,23,25,27,31,34,35,36, 41,42/02;6,8,10,13,17/03	807861	2	N27/02;N22/03
97287	5	34/02;20/03	808365	2	N14/03
97300	6	1,13,25,26/03	808528	1	N25/02
97303	3	25,47,48/02	809055	7	N16/03
97320	6	33/02;14,25/03	809310	9	N39/02
97340	8	27,33,38,52/02;16,17,18, 22/03	809679	2	N25,N50/02;N12,N27/03
97341	9	27,34/02;16,21/03			
97342	14	27,38/02;17,18,22,27/03			
97343	12	27,38/02;17,25/03			
97360	6	20,23,27,38/02;5,7,13,18, 27/03			
97380	7	21,39,47,52/02;1,2,8,16, 23/03			
97381	7	27/02;7,13,27/03			
97382	2	41,45/02;4/03			
97383	16	31/02;5,7,13/03			
97384	4	47/02;19/03			
97385	10	31,52/02;5,6,7,9/03			
97387	2	4,5,7/03			
97389	1	39/02			

SECTION II

NM 32/03

NIMA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.					Edition		Price Category	Page(s)	NTM
NIMA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date					
REGION 1									
11BCO11409 (7642014010195)	Anclote Keys to Crystal River (LORAN-C)	80,000	<u>28</u>	<u>5/03</u>	NOS	1-94	32/03		
11AHA11478 (7642014010149)	Port Canaveral	10,000	<u>20</u>	<u>5/03</u>	NOS	1-94	32/03		
	Inset: Canaveral Barge Canal Extension	40,000							
14XHA14926 (7642014010698)	SMALL-CHART BOOK CHART Chicago and South Shore of Lake Michigan (book of 30 charts)	Various	<u>10</u>	<u>4/03</u>	NOS	1-96	32/03		
18AHA18725 (7642014011532)	<u>Port Hueneme to Santa Barbara</u>	<u>50,000</u>	<u>27</u>	<u>6/03</u>	NOS	1-86,89, 99	32/03		
	<u>Insets: Santa Barbara</u>	<u>12,500</u>							
	<u>Channel Islands Harbor and Port Hueneme</u>	<u>12,500</u>							
	<u>Ventura</u>	<u>25,000</u>							
REGION 2									
25ACO25677 (7642014012014)	<u>South Coast of Puerto Rico</u>	100,000	<u>20</u>	<u>5/03</u>	NOS	2-40,63	32/03		
	Inset: Las Mareas	20,000							
25AHA25683 (7642014012039)	Bahia de Ponce and Approaches	20,000	<u>18</u>	<u>5/03</u>	NOS	2-63	32/03		
MISCELLANEOUS CHARTS AND PUBLICATIONS									
WOPGN50 (INT 50) (7642014009466)	<u>North Pacific Ocean (Eastern Part)</u>	10,000,000	<u>6</u>	<u>6/03</u>	NOS	10-4,40	32/03		
	<u>Bering Sea Continuation</u>	10,000,000							
WOPGN500 (INT 810) (7642014009467)	<u>West Coast of North America-Dixon Entrance to Unimak Pass (LORAN-C)</u>	3,500,000	<u>8</u>	<u>6/03</u>	NOS	10-4,40	32/03		
CDPUBSD192 (7644014665953)	<u>North Sea (Enroute), 2003</u>					<u>GPO</u>	10-19, 38	32/03	
NOSPBCP8 (7642014008451)	<u>No. 8 Dixon Entrance to Cape Spencer, 2003</u>					NOS	10-25	32/03	

Price Categories effective 1 October 2002

A	17.75	E	9.00	G	4.50	I	26.25
D	10.75	F	9.00	H	2.50	R	2.50

CHS Canadian Hydrographic Service

DS Distribution Limited

GPO Government Printing Office

NOS National Ocean Service

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For questions concerning the availability and distribution of announced charts, users should contact the Defense Logistics Agency (DLA) at 1-800-826-0342 or 804-279-6500; DSN 695-6500; Fax 804-279-6524.

NAVIGATION PUBLICATIONS

SAILING DIRECTIONS CORRECTIONS

PUB 123 8 Ed 2001 LAST NM 28/03

Page 101—Lines 35 to 45/R; read:

Tides—Currents.—The tidal rise at Cape Town is 1.7m at springs and 1.2m at neaps. There is no apparent tidal current in Table Bay, but a summer current that sets N past Robben Island has been known to reach a velocity of 3 knots but usually is 0.5 knot or less. During the winter months when NW and W winds occur, a current sets into the bay from NW and impinges on the shore in the vicinity of Paardeneiland. Here it divides, one current setting N along the coast as far as Bloubergstrand, and the other W and NW past the entrance to the docks. It then turns SW along the shore to Green Point, attaining velocities of up to 2 knots.

(BA NP 2) 32/03

PUB 124 8 Ed 2001 LAST NM 30/03

Page 95—Line 11/L; insert after:

The maximum speed in the port and terminal area is 5 knots.

(Brz SD South Coast) 32/03

Page 102—Lines 50 to 55/L; strike out.

(NIMA) 32/03

Page 111—Line 47/L; insert after:

If the daytime wind speed gets over 38 knots or over 32 knots at night, the port is closed to all vessel movement.

(BA NP 5) 32/03

Page 111—Line 48/L; read:

Vessels arriving with damaged hulls or spars may not enter

(NIMA) 32/03

PUB 126 6 Ed 2002 LAST NM 30/03

Page 8—Lines 33 to 42/L; read:

Baie de Hakahetau (Haka Hetau) (9°21'S., 140°06'W.) can be recognized by the beach that borders the head of the bay, by the coconut palm plantations, and a chapel. Roches Rouges (Red Rocks), on the E entrance point, is conspicuous. Motu Koio, 90m S of Roches Rouges, and Motu Kivi, 8m high, located on the E side of the beach 0.3 mile S of Motu Koio, are good landmarks. To the E of Moto Kivi Islet, there is a boat dock 5m in length. Large vessels may anchor off the bay with the church at Hakahetau, bearing 345° distant 1,000m in depths of 22 to 29m.

(Fr NM 15/03) 32/03

PUB 140 2 Ed 2001 LAST NM 31/03

Page 206—Line 17/L; insert after:

Advance notification requirements for foreign vessels

The following foreign-flagged vessels are subject to additional advance notification requirements:

1. Gas and chemical tankers older than 10 years of age as determined by the date indicated in the vessel's safety certificates.

2. Bulk carriers older than 12 years of age as determined by the date indicated in the vessel's safety certificates.

3. Oil tankers over 3,000 gross tons and older than 15 years of age as determined by the date indicated in the vessel's safety certificates.

4. Passenger vessels older than 15 years of age as determined by the date indicated in the vessel's safety certificates.

The advance notification shall be sent at least 3 days prior to the ETA at the port. If the voyage from the previous port is expected to take less than 3 days, the advance notification shall be sent prior to leaving the previous port.

The advance notification shall be submitted to the Swedish Coast Guard by one of the following methods:

1. E-mail: sweden24@coastguard.se
2. Fax: +46-611-20190

The advance notification shall contain the following information:

1. Vessel name.
2. Flag.
3. IMO number.
4. DWT.
5. Date of construction of the vessel, as determined by the date indicated in the vessel's safety certificates.
6. For tankers:
 - a. Configuration (single hull, single hull with segregated ballast tanks).
 - b. Condition of the cargo and ballast tanks (full, empty, inerted).
 - c. Volume and type of cargo.
7. ETA at the port and the pilot station.
8. Planned duration of the port call.
9. Planned operations at the port of destination (loading, unloading, other).
10. Planned statutory survey inspections and substantial maintenance/repair work to be conducted in the port of destination.

(27(1262)03 Norrkoping) 32/03

PUB 153 9 Ed 2000 LAST NM 25/03

Page 38—Lines 52 to 54/R; read:

the lagoon into which the Rio Mayo discharges.

(28(2973)03 Taunton) 32/03

Page 40—Lines 39 to 40/R; read:

the bay and has no facilities for working cargo.

(28(2973)03 Taunton) 32/03

PUB 172 9 Ed 2001 LAST NM 31/03

Page 22—Line 16/L; insert after:

North Ain Sukhna Port (29°41'N., 32°22'E.) is a new port which opened in 2000. It is approximately 3 miles N of

PUB 172 (Continued)

Ain Sukhna. Three more basins are planned to be added to the harbor.

Depths—Limitations.—The harbor is reached from the E through a channel dredged to a depth of 18m and marked by lighted buoys. Two lighted breakwaters extend from the shore as the harbor is reached. The W edge of the channel and turning basin has been dredged to 17m. Two quays, each 750m long with an alongside depth of 17m, lie inside the harbor and can handle vessels up to 170,000 dwt.

Aspect.—A group of tanks stands NW of the quays. A port control tower stands N of the channel along the shoreline.

Pilotage.—Pilotage is compulsory. Pilots board 2 miles E of the channel entrance. Pilots should be contacted 6 hours prior to arrival on VHF channel 16, 78, or 79.

Caution.—Mariners are cautioned that the area outside the channel is incompletely surveyed and that uncharted shoals may exist.

(BA NP 63) 32/03

Page 43—Line 19/R; insert after:

A commercial wharf is located in the NW part of the harbor. Berth 1 is located at the NE end of the wharf and has an alongside depth of 14m. The berth can accommodate vessels up to 290m in length. Berth 2 is located SW of Berth 1, has an alongside depth of 10m, and can accommodate vessels up to 290m in length. Berth 3 is an L-shaped pier which is located SW of Berth 2 and can accommodate vessels up to 221m in length, with a maximum draft of 9.45m.

(BA NP 63) 32/03

Page 53—Line 20/L; insert after:

Pilots can be reached on VHF channel 14 and vessels are advised to maintain a listening watch to enable them to receive any instructions from port control.

(BA NP 63) 32/03

Page 73—Line 15/R; read:

The jetties can accommodate vessels up to 26,000 dwt, with a length of 210m and a draft of 10.3m.

(BA NP 63) 32/03

Page 74—Line 21/L; insert after:

Caution.—The Aseb Bay area is inadequately surveyed and uncharted shoals may exist.

(BA NP 63) 32/03

Page 82—Line 7/R; read:

Port Control, call sign "Yamit Elat," may be contacted on VHF channels 12, 13, 14, and 16. Vessels must report 24 hours in advance and vessels bound for anchorage must contact Port Control to obtain an anchor position. All vessels shall contact the Israeli Navy on VHF channel 16 when 25 miles from the coast.

(BA NP 63) 32/03

Page 83—Line 24/L; read:

B, can accommodate vessels up to 40,000 dwt, with a
(BA NP 63) 32/03

Page 83—Line 47/R; insert after:

Due to sudden changes in weather, vessels should obtain permission from the harbormaster prior to immobilizing engines.

(BA NP 63) 32/03

Page 88—Line 51/L; read:

comprised of Berth No. 1 thru Berth No. 7, with a dredged depth of 14m

(BA NP 64) 32/03

Page 88—Line 55/L; read:

The Bulk Terminal, Berth No. 21 and Berth No. 22, with a total

(BA NP 64) 32/03

Page 88—Line 10/R; insert after:

Chemical Berth No. 40, completed in 2000, stands close W of Berth No. 41. The berth comprises of six breasting dolphins and four mooring dolphins. The new facility can accommodate vessels between 5,000 and 50,000 dwt, with a maximum draft of 12.15m.

(BA NP 64) 32/03

Page 88—Line 17/R; read:

1. Berth No. 61, 440m in length, with an alongside depth of 28m, can

(BA NP 64) 32/03

Page 88—Line 20/R; read:

2. Berth No. 62, 470m in length, with an alongside depth of 32m, can

(BA NP 64) 32/03

Page 88—Line 23/R; read:

3. Berth No. 63, 490m in length, with an alongside depth of 27.4m, can

(BA NP 64) 32/03

Page 88—Line 26/R; read:

4. Berth No. 64, 400m in length, extending SE from Berth No. 63, has a

(BA NP 64) 32/03

Page 92—Line 4/L; read:

Ro-ro terminals are situated at Berth No. 7, Berth No. 8, Berth No. 15 to Berth No. 20, and Berth No. 57, with alongside depths between 8 and 13.5m, as best seen on the chart.

(BA NP 64) 32/03

PUB 172 (Continued)

Page 94—Line 5/R; insert after:

Uncharted reefs may exist inside the 100m curve. Vessels are advised to use caution when transiting this area.

(BA NP 64) 32/03

Page 107—Line 8/L; insert after:

Jizan Oil Terminal consists of two SPMs, SPM-1 and SPM-2, moored about 4 miles SW of the main harbor entrance. Both berths can handle vessels between 10,000 and 49,000 dwt, 220m in length, with a maximum draft of 16.3m.

(BA NP 64) 32/03

Page 107—Line 30/L; insert after:

Directions.—The northern approach route is the only entrance to the Port of Jizan. The route leads for about 90 miles from position 10 miles WSW of Jizan North Lighted Buoy (16°57'N., 41°17'E.). The approach channel is well marked by lighted buoys. Range lights, in line bearing 096.3°, lead through the breakwaters and into the port.

(BA NP 64) 32/03

Page 120—Line 38/R; insert after:

A forked channel lies 1 mile inside the outer entrance. The channel continues WNW towards Little Aden Oil Terminal or NNE towards the Inner Harbor and the Aden Peninsula. Range lights, in line bearing 300°, lead towards Aden Oil Terminal.

(BA NP 64) 32/03

Page 192—Line 27/L; insert after:

W of the town of Bandar Abbas, and is the main base for the Iranian Navy. The port is protected by a breakwater.

(BA NP 63) 32/03

Page 192—Line 20/R; insert after:

The port office requires 48 hour notice prior to arrival.

(BA NP 63) 32/03

PUB 173 7 Ed 2002**LAST NM 27/03**

Page 103—Lines 42 to 44/L; read:

mile from the S end of Agatti Island. Agatti Lighthouse, a white frame tower 30m high, is situated near the NE end of the island.

(BA NP 38) 32/03

Page 103—Lines 25 to 26/R; read:

Islands resides on the island. Kavaratti Island Light, a round white concrete tower with black bands and a racon, is situated on the SE point of the island.

(BA NP 38) 32/03

Page 103—Line 34/R; insert after:

Two jetties are situated on the N part of the NW side of the island.

(BA NP 38) 32/03

Page 104—Line 12/L; insert after:

A bungalow and a mosque, 3m high, are reported to stand nearby.

(BA NP 38) 32/03

Page 104—Line 34/L; read:

peni Island. Anchorage has been reported 0.7 mile N of Cheriany Island, in 9m, sand and coral.

(BA NP 38) 32/03

Page 104—Lines 55 to 57/L; read:

It was reported that a racon was established on the light and a conspicuous red and white pylon stood close S of it.

(BA NP 38) 32/03

Page 110—Lines 46 to 48/R; read:

Pilotage.—Pilotage is compulsory for all vessels over 100 grt and is available daily from 0630 to 2200 Saturday through Thursday, and from 0630 to 0900 and 1430 to 2100 on Friday.

Vessels must report their ETA 48 hours, 24 hours and 3 hours in advance.

The ETA message should contain:

1. Vessel's name.
2. Master's name and nationality.
3. Agent's name.
4. Owner's name.
5. Last and next port of call.
6. Type of vessel.
7. Port of registry and number.
8. DWT, gt, and nrt.
9. LOA and maximum draft.
10. Call sign.
11. Details of dangerous cargo for discharging or in transit.
12. ETA at Male.
13. Cargo for the Maldives or in transit.
14. Air draft.

The ETA must be confirmed or amended not less than 3 hours before arrival.

Pilots board in position 4°10'N, 73°32'E.

Vessels sailing from Male should request a pilot from the agent 3 hours prior to sailing.

(BA NP 286(4)) 32/03

Page 110—Lines 49 to 53/R; read:

Regulations.—Approval is required from harbor control for any work that could immobilize a vessel for 2 hours or more.

Vessels must get written approval from the Port Authority for any hot work to be done in port.

All trade must be made through Male. Surrounding atolls cannot trade with foreign vessels due to customs regulations.

(BA NP 286(4)) 32/03

SECTION II

NM 32/03

PUB 173 (Continued)

Page 122—Line 13/L; insert after:

Nagapattinam Home Page
http://www.indiport.com/minorports/nagapatti.htm

(NIMA) 32/03

PUB 175 7 Ed 2001 LAST NM 29/03

Page 94—Lines 21 to 29/R; read:

Anchorage.—Anchorage can be obtained in the Western Anchorage, located 3.8 miles N of Nelson Rocks, and the Petroleum and Explosives Anchorage, located 2 miles NW of Cape Legenre. Both areas have depths of 29 to 38m, coarse sand and shell bottoms. These areas are best viewed on the chart.

A supply vessel and small craft anchorage is located just W of the LNG Wharf at Woodside Petroleum and has a depth of 8m, mud and sand. Anchoring is strictly prohibited between these anchorages and N of the pilot boarding area due to the presence of underwater pipelines.

(11(399)03 Wollongong) 32/03

PUB 192 8 Ed 2003 NEW EDITION
(NIMA) 32/03

PUB 195 7 Ed 2002 LAST NM 21/03

Page 114—Lines 50 to 53/R; read:

This route is authorized for vessels with drafts up to 11.1m. However, vessels larger than 45,000 dwt and all tankers are limited to a maximum draft of 11.1m.

(BA NM 18/03) 32/03

Page 115—Line 15/L; read:
authorized for vessels with drafts up to 8.7m.
(BA NM 18/03) 32/03

COAST PILOT CORRECTIONS

COAST PILOT 1 33 Ed 2003 Change No. 6 LAST NM 29/03

Page 175—Paragraph 57, lines 11 to 12; read:
where depths of 5 to 7.5 feet were available in July-August 2002. The ruins of a footbridge, which formerly connected ...
(BP 179636) 32/03

Page 246—Paragraph 414, lines 5 to 6; read:
about 7.7 to 10 feet in the middle and 4.4 to 6.1 feet along the east and west shores with lesser depths along the north shore. **Northeast Passage**, with a depth of about 19 ...
(BP 179761) 32/03

Page 351—Paragraph 98, line 4; read:
regulations.) A submerged pipeline extends from Cat Cove to just south of Folger Point. Mariners are advised to exercise extreme caution when transiting or anchoring in this area.
(CL 1117/03; BP 180814) 32/03

Page 381—Paragraph 10, line 9; read:
January 1999-August 2001, the controlling depths were 6.0
... (CL 44/03; BP 179682) 32/03

COAST PILOT 1 33 Ed 2003 Change No. 7

Page 382—Paragraph 22, lines 4 to 9; read:
the harbor. In November 2002-February 2003, the controlling depth was 6.4 feet (10.0 feet at midchannel) and then 10 feet in the basin with lesser depths along the southeast limit. Another dredged anchorage basin north of the entrance channel, just inside the jetties, had depths of 7.3 to 10.0 feet with shoaling along the northwest and northeast limits. Depths of
... (CL 524/03; BP 180124; NOS 13269) 32/03

COAST PILOT 2 32 Ed 2003 Change No. 12 LAST NM 30/03

Page 265—Paragraph 238, lines 6 to 7; read:
July 2002, the controlling depth was 8.4 feet from the entrance to a point just southwest of Little Narragansett Bay ...
(CL 2305/02; BPs 179602-06;
03/03 CG1; NOS 13214) 32/03

Page 265—Paragraph 238, lines 12 to 14; read:
eastward of Little Narragansett Bay Entrance Lighted Buoy 5 to Little Narragansett Bay Entrance Buoy 9 with a controlling depth of 5.7 feet, thence 7.1 feet to the entrance ...
(BPs 179602-06; CL 2305/02;
03/03 CG1; NOS 13214) 32/03

COAST PILOT 2 32 Ed 2003 Change No. 13

Page 189—Paragraph 166, line 3; read:
Nantucket (Great Point) Light (41°23'25"N., 70°02'54"W.), 71 feet ...
(48/02 CG1; LL/02) 32/03

Page 302—Paragraph 354, lines 3 to 4; read:
Stratford Shoal (Middle Ground) Light (41°03'35"N., 73°06'05"W.), 60 feet above the water and shown from a ...
(49/02 CG1; LL/02) 32/03

Page 322—Paragraph 180, lines 6 to 14; read:
August 2002, the controlling depths were 10 feet at mid-channel to the first fixed bridge about 0.8 mile above the entrance, thence 6.1 feet at midchannel to the basin, thence 8.5 feet in the basin, thence in 1993, 3 feet at midchannel to just below the head of navigation about 30 yards below the second fixed bridge (Mill Street fixed bridge). The channel is marked to a point ...
(CL 313/03; BPs 179858-63) 32/03

Page 337—Paragraph 399, lines 2 to 3; read:
to East River, is marked by a light. **Throgs Neck Light**

COAST PILOT 2 (Continued)

(40°48'16"N., 73°47'26"W.), 60 ... (CL 882/03; 48/02 CG1; LL/02)	32/03	tronic repairs is available. (CL 889/02)	32/03
Page 339—Paragraph 427, lines 7 to 10; read: The river is being filled in above 172 nd Street. In July 2002, the controlling depth was 3.2 feet (4.8 feet at midchannel) to the Brucker Blvd. Bridge, thence 0.7 feet (1.9 feet at mid-channel) to East 172 nd Street. The ... (CL 271/03; BPs 179794-802)	32/03	Page 386—Paragraph 49, lines 4 to 6; read: have berths, electricity, gasoline, diesel fuel, water, ice, wet and dry storage, pump-out station, and marine supplies. A 50-ton lift is available for making hull, engine, and electronic repairs. In February 2002, depths of 6 feet were ... (CL 889/02)	32/03
Page 354—Paragraph 138; strike out. (NOS 12352)	32/03	Page 386—Paragraph 62, lines 2 to 5; read: highway bridge, at Mile 55.1 , has berths, electricity, gasoline, diesel fuel, water, ice, pump-out station, marine supplies, wet and dry storage, and an 18-ton lift; hull, engine and electrical repairs can be made. In 2002, the reported depth alongside was 6 feet. (CL 890/02)	32/03
COAST PILOT 4 34 Ed 2002 Change No. 31 LAST NM 27/03		Page 386—Paragraph 69, line 3; read: clearance of 14 feet at the center. A marina, south of the bridge, on the east side of the waterway has gasoline, diesel fuel, dry storage, water, ice, marine supplies and a 20-ton lift. Hull, engine and electronic repairs can be made. (CL 891/02)	32/03
Page 356—Paragraph 11, line 1; read: Seattle: Director, Marine Operations Center (Pacific), National Ocean ... (CL 1200/03)	32/03	Page 386—Paragraph 70, lines 3 to 11; read: clearance of 9 feet. Near the E end of the bridge are several small-craft facilities. Berths with electricity, gasoline, water, ice, and storage are available. A boatyard has an 80-ton marine lift. Hull, engine, and electronic repairs can be made. (CL 1840/02; CL 191/02; CL 1017/03)	32/03
COAST PILOT 5 30 Ed 2003 Change No. 30 LAST NM 30/03		Page 386—Paragraph 72, lines 2 to 7; read: Sarasota Bay. A marina is near the S end of Siesta Key just N of Midnight Pass. Gasoline, diesel fuel, water, ice, wet and dry storage, and a 10-ton lift are available. Hull, engine and electronic repairs can be made. In 2001, the reported controlling depth to the marina was 5 feet. (CL 2066/01)	32/03
Page 231—Paragraph 92, lines 6 to 10; read: small craft inside the pier head. In May 2003, 10 feet was reported in the approach channel with 8 feet alongside the berths. Gasoline, diesel fuel, electricity, water, ice and a pump-out station are available. Hull, engine, and electronic repairs can be made. (CL 1017/03)	32/03	Page 420—Paragraph 384, lines 6 to 7; read: 0.8 mile ENE from Punta Conejo , the W entrance point. Cayo Jalovita and Cayo Jalova are ... (24/03 CG7; LL/03)	32/03
Page 232—Paragraph 99, lines 3 to 6; read: reported controlling depth of 5 feet in May 2003. Water, storage, a launching ramp, and a 40-ton lift are available. Hull and engine repairs can be made. (CL 1017/03)	32/03	COAST PILOT 6 33 Ed 2003 Change No. 7 LAST NM 29/03	
Page 232—Paragraph 100, lines 7 to 12; read: diesel fuel, berths with electricity, water, ice, marine supplies, pump-out station, and wet storage. A restaurant is on the end of the pier. The marina monitors VHF-FM channel 16. The entrance channel to the marina, marked by private daybeacons, had a reported depth of 8 feet in 2003. Pilings of a former pier extend 250 yards from shore W of the Palmetto pier. A marina, 0.4 mile E of the U.S. Route 301 highway bridge and on the N side of the river has berths, electricity, gasoline, diesel fuel, pump-out station, water, ice, and marine supplies available. (CL 1017/03)	32/03	Page 273—Paragraph 90, line 2; read: with a clearance of 10 feet, crosses Trenton Channel 2.2 ... (CL 2225/02)	32/03
Page 385—Paragraph 43, line 4; read: storage are available. A 70-ton lift for hull, engine and elec-		Page 392—Paragraph 537, line 12; read: Harbor. A seasonal lighted buoy marks the outer end of the shoal. Hyde Park ... (13/03 CG9; LL/03)	32/03

COAST PILOT 7	34 Ed 2002	Change No. 23		
		LAST NM 30/03		
Page 383—Paragraph 214, lines 11 to 13; read: shipped by barge.			Page 67—Paragraphs 465 to 467; read: (c) [Suspended] (FR 5/22/03)	32/03
The National Oceanic and Atmospheric Administration's Marine Operations Center, Pacific , operates two piers on the E side of the lake which serve as the shipbase for the National Ocean Service's Pacific fleet. The N side of the N pier has a 510-foot berth with ... (CL 1200/03)			Page 67—Table, item 8; read: (8) [Suspended] (FR 5/22/03)	32/03
Page 383—Paragraph 215, line 1; read: A drydock company adjacent to the Marine Operations Center, Pacific, ... (CL 1200/03)			Page 350—Paragraph 127, line 2; read: feet above the water, is shown from a skeleton tower with a ... (29/97 CG17; LL/03)	32/03
Page 414—Paragraph 124, lines 3 to 5; read: vicinity. Pepeekeo Point Light (19°50'50"N., 155° 04'58"W.), 147 feet above the water, is shown from a 75-foot steel pole with a white and black dayboard on the N side of the entrance to Hilo Bay. During the ... (24/03 CG14; LL/03)			COAST PILOT 9	21 Ed 2003
				Change No. 2
Page 427—Paragraph 346, line 1; read: Lahaina Light (20°52'20"N., 156°40'43"W.), 44 feet above ... (22/03 CG14; LL/03)			Page 92—Paragraph 1032, line 4; read: chapter.	
Page 442—Paragraph 662, line 4; read: Kaneilio Point and the opposing ... (24/03 CG14; LL/03)				
Page 471—Paragraph 11, line 1; read: Seattle : Director, Marine Operations Center (Pacific), National Ocean ... (CL 1200/03)			§165.1709 Security Zones: Liquefied Natural Gas Tanker Transits and Operations at Phillips Petroleum LNG Pier, Cook Inlet, AK.	
COAST PILOT 8	25 Ed 2003	NEW EDITION		
(NOS)				
			(a) <i>Location.</i> The following areas are established as security zones during the specified conditions:	
COAST PILOT 9	21 Ed 2003	Change No. 1	(1) All navigable waters within a 1000-yard radius of the Liquefied Natural Gas (LNG) tankers during their inbound and outbound transits through Cook Inlet, Alaska between the Phillips Petroleum LNG Pier, 60°40'43"N. and 151°24'10"W., and the Homer Pilot Station at 59°34'52"N. and 151°25'44"W. On the inbound transit, this security zone remains in effect until the tanker is alongside the Phillips Petroleum LNG Pier, 60°40'43"N. and 151°24'10"W.	
		LAST NM 30/03	(2) All navigable waters within a 1000-yard radius of the Liquefied Natural Gas Tankers while they are moored at Phillips Petroleum LNG Pier, 60°40'43"N. and 151°24'10"W.	
Page 63—Paragraphs 401 to 402; read: (d) [Suspended] (e) [Suspended] (FR 5/22/03)			(b) <i>Special Regulations.</i> (1) For the purpose of this section, the general regulations contained in 33 CFR 165.33 apply to all but the following vessels in the areas described in paragraph (a):	
			(i) Vessels scheduled to moor and offload or load cargo at other Nikiski marine terminals that have provided the Coast Guard with an Advance Notice of Arrival.	
Page 65—Paragraph 452, lines 8 to 12; read: of Canada by fax at 315-764-3235 or at 315-764-3200. (FR 5/22/03)			(ii) Commercial fishing vessels, including drift net and set net vessels, fishing from the waters within the zone, if	
Page 65—Paragraph 453, line 4 to Paragraph 454; read: Captain of the Port (COTP). (d) [Suspended] (FR 5/22/03)			(A) The owner of the vessel has previously requested approval from the Captain of the Port representative, Marine Safety Detachment Kenai, Alaska, to fish in the security zone and	
			(B) Has provided the Captain of the Port representative, Marine Safety Detachment Kenai, Alaska current information about the vessel, including:	
			(1) The name and/or the official number, if documented, or state number, if numbered by a state issuing authority;	
			(2) A brief description of the vessel, including length, color, and type of vessel;	

COAST PILOT 9 (Continued)

(3) The name, Social Security number, current address, and telephone number of the vessel's master, operator or person in charge; and

(4) Upon request, information on the vessel's crew.

(C) A vessel owner or operator is required to submit the information one time, but shall provide the Captain of the Port representative updated information when any part of it changes.

(D) The Captain of the Port must approve a vessel's request prior to being allowed into the security zone at the Phillips Petroleum LNG Pier.

(E) The vessel is operated in compliance with any specific orders issued to the vessel by the Captain of the Port or other regulations controlling the operation of vessels within the security zone that may be in effect.

(2) All persons and vessels shall comply with the instructions of the Captain of the Port representative or the designated on-scene patrol personnel. These personnel are comprised of commissioned, warrant, and petty officers of the Coast Guard. Upon being hailed by a U.S. Coast Guard vessel by siren, radio, flashing light, or other means, the operator of a vessel shall proceed as directed.

(3) The Marine Safety Detachment Kenai, Alaska will notify the maritime community of these security zones by publishing a Local Notice to Mariners and via a bimonthly marine Broadcast Notice to Mariners.

(FR 3/25/03; FR 7/1/02) 32/03

Page 500—Paragraph 46, line 5 to Paragraph 49; read:

2288, Mobile, AL 36602, Attn: Map Sales, LM-SR; telephone, 251-441-5631.

Flood Control and Navigation Maps of the Mississippi River, Cairo, IL to the Gulf of Mexico: Published by Mississippi River Commission and for sale by U.S. Army Engineer District Vicksburg, 4155 Clay Street, Vicksburg, MS 39183-3435, Attn: Map Sales; telephone: 601-631-5042.

Upper Mississippi River Navigation Charts (Mississippi River, Cairo, IL to Minneapolis, MN): Published and for sale by U.S. Army Engineer District Rock Island, Clock Tower Bldg., P.O. Box 2004, Rock Island, IL 61204-2004; telephone, 309-794-5338.

Charts of the Illinois Waterway, from Mississippi River at Grafton, IL to Lake Michigan at Chicago and Calumet Harbors: Published and for sale by U.S. Army Engineer District Rock Island, Clock Tower Bldg., P.O. Box 2004, Rock Island, IL 61204-2004; telephone 309-794-5338.

(CE/03) 32/03

Page 504—Paragraphs 234 to 237; read:

KDG-58, Annette: 4125 kHz, 0700 and 1540;

KCB-53, Barrow: 4125 kHz, 0630 and 1900; April 1 through September only;

KDG-91, Yakutat: 4125 kHz, 0515 and 1930;

KCI-98, King Salmon: 4125 kHz, 0930 and 1630;

KCI-95, Cold Bay: 4125 kHz, 1030 and 2030;

(CL 885/03) 32/03

Page 504—Paragraph 243; read:

WXJ-79, Cordova (60°33'N., 145°45'W.) 162.40 MHz.

(CL 885/03)

32/03

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*6	<i>University of Maine Jordan Lighted Buoy M</i>	43 29 24 N 67 52 55 W	Fl Y 4s		4	Yellow.	Private aid. 32/03
*589	<i>Woods Hole Oceanographic CBLAST Research Tower</i>	41 19 30 N 70 33 36 W	Fl Y 4s	68	4	Steel tripod with mast	Private aid. HORN . 32/03
2243	<i>Jordin Basin WHOI Research Lighted Buoy E</i>						Remove from list. *
*2296	<i>Great Duck Island Light Station Mooring Buoy</i>					White nun with blue stripe.	Marked CG. 32/03
9315	IPSWICH LIGHT	42 41 07 N 70 45 58 W	Oc W 4s	30	5	NR on skeleton tower.	*
29195	- <i>Lighted Buoy 18</i>		Fl R 4s		3	Red.	*
29205	<i>Captree Boat Basin Entrance Lighted Buoy CB</i>		Fl (2+1) G 6s		3	Green and red bands.	Replaced by can when endangered by ice. *
29245	- <i>Lighted Buoy 8</i>		Fl R 2.5s		4	Red.	Replaced by nun from Nov. 1 to Apr. 1. *
29405	- <i>Lighted Buoy 10</i>	40 41 12 N 73 13 54 W	Fl R 2.5s		3	Red.	Replaced by nun from Nov. 15 to Apr. 1. *
		*			*		32/03
North Channel							
29449	- <i>Lighted Buoy 1</i>	40 41 58 N 73 14 14 W	Fl G 2.5s		3	Green.	Replaced by can from Nov. 15 to Apr. 1. *
29455	- <i>Lighted Buoy 4</i>	40 41 28 N 73 11 42 W	Fl R 4s		3	Red.	Replaced by nun from Nov. 15 to Apr. 1. *
29670	<i>Bay Shore Lighted Buoy 2</i>	40 42 31 N 73 14 13 W	Fl R 2.5s		3	Red.	Replaced by nun from Nov. 15 to Apr. 1. *
30165	- <i>Lighted Buoy 11</i>	40 44 08 N 72 52 32 W	Q G		3	Green.	Replaced by can from Nov. 1 to Apr. 15. *
							32/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
30293	- Lighted Buoy 12	40 46 28 N 72 47 47 W	Q R		3	Red.	Replaced by nun from Nov. 1 to Apr. 15. 32/03
		*			*		
30385	- Lighted Buoy 34	40 47 59 N 72 40 12 W	Q R		3	Red.	Replaced by nun from Nov. 1 to Apr. 15. 32/03
		*			*		

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*4346	Upper Delaware River Pipeline Outfall Buoy					White with orange bands.	Private aid. 32/03
8290	- Anchorage Buoy B	39 14 59 N 76 33 15 W				Yellow can.	 32/03
		*					
8300	Anchorage Buoy C					Yellow can.	 32/03
		*					
8356	SWAN POINT SOUTH RANGE REAR PASSING LIGHT		Fl W 2.5s	25	5	On same structure as Swan Point South Range Rear Light.	 32/03
			*		*		

***Add Note:**

BALTIMORE HARBOR (Chart 12281)

Dundalk Terminal East Channel

*Buoys located 75 feet outside channel limit.

21000	- RANGE FRONT LIGHT	39 14 24 N 76 31 54 W	Q G	42		KRW on pile.	Private aid. 32/03
21010	- Buoy 2DE					Red nun.	 32/03
		*					
21020	- Buoy 3					Green can.	 32/03
		*					
21027	- Lighted Buoy 5		Fl G 4s	4		Green.	 32/03
		*					

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
21030	- Buoy 7	39 14 22 N 76 32 10 W				Green can.	
		*	*				32/03
21035	- Buoy 6					Red nun.	
		*					32/03
Seagirt Marine Terminal East Channel							
Buoys located 75 feet outside channel limit.							
21045	- Lighted Buoy 2SE	39 14 19 N 76 32 37 W	Fl R 4s		3	Red.	
		*					32/03
21050	-Lighted Buoy 3		Fl G 4s		4	Green.	
		*	*		*	*	
21055	- Lighted Buoy 5		Q G		4	Green.	
		*					32/03
21060	- Buoy 6					Red nun.	
		*				*	
21065	- Lighted Buoy 7	39 15 06 N 76 32 46 W	Fl G 4s		3	Green.	
		*	*	*			32/03
21070	- Colgate Creek Entrance Buoy 1C					Green can.	
		*				*	
21095	- Junction Buoy SM					Remove from list.	
						*	32/03
21100	- Lighted Buoy 11					Remove from list.	
						*	32/03
Locust Point East Channel							
21225	- Buoy 1LE	39 15 23 N 76 35 29 W				Green can.	
		*					32/03
*21233	-Buoy 4					Red nun.	
							32/03
21235	- Buoy 5					Green can.	
		*					32/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Pamlico Sound							
32135	GIBBS SHOAL LIGHT GBS		Fl W 4s	15	6	NB on pile.	
			*		*		32/03
*39303	- Buoy 72B					Red nun with yellow triangle.	
							32/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TAMPA BAY AND ST. JOSEPH SOUND (Chart 11412)							
1370	Egmont Key Light	27 36 03 N 82 45 38 W	Fl W 15s Oc (4) W 30s	85	24 85 10	White tower.	Emergency light of reduced intensity, Oc 4s, when main light is extinguished.
			*				32/03

ST. LUCIE INLET TO FORT MYERS AND LAKE OKEECHOBEE (Chart 11428)

Okeechobee Waterway

St. Lucie River

50635	- Lighted Buoy 2	27 10 00 N 80 10 55 W	Fl R 4s	3	Red nun.		
		*					32/03

*50645.5 - Buoy 5A Green can.

32/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5655	- Daybeacon 7					Remove from list.	
			*				32/03
5660	- Daybeacon 9					Remove from list.	
			*				32/03
5665	- Daybeacon 10					Remove from list.	
			*				32/03
5670	- Daybeacon 12					Remove from list.	
			*				32/03
7330	- CUTOFF LIGHT 6		Fl R 4s	25	3	TR on skeleton tower.	Ra ref.
			*				32/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*Delete Heading and Note: *New Orleans Harbor							
<i>*Designations left descending bank (LDB) and right descending bank (RDB) are as seen from a vessel going downstream. Mileage given indicates the number of miles above Head of Passes Junction Light.</i>							
13620 33175	NAVAL ACTIVITY LIGHTS (2) RDB mile 93.0.						Remove from list.
							*
							32/03
*Add Heading: *New Orleans Harbor							
13625 33180	GOVERNOR NICHOLLS LIGHT 94 LDB mile 94.3.	29 57 36 N 90 03 24 W	Fl R 4s		6	On skeleton tower. On same structure as Governor Nicholls Harbor Traffic Control Light.	Not operated when traffic control lights are in operation.
							32/03
*15356	Fort Livingston Danger Daybeacon A	29 16 20 N 89 56 37 W		10		NW on pile worded DANGER ROCKS.	Private aid.
							32/03
*15356.1	FORT LIVINGSTON DANGER LIGHT B	29 16 19 N 89 56 38 W		10		NW on pile worded DANGER ROCKS.	Private aid.
							32/03
*15356.2	FORT LIVINGSTON DANGER LIGHT C	29 16 19 N 89 56 42 W	Fl W 2.5s	10		NW on pile worded DANGER ROCKS.	Private aid.
							32/03
*15356.3	Fort Livingston Danger Daybeacon D	29 16 22 N 89 56 47 W		10		NW on piles worded DANGER ROCKS.	Private aid.
							32/03
*15356.4	Fort Livingston Danger Daybeacon E	29 16 23 N 89 56 47 W	Iso W 6s	10		NW on pile worded DANGER ROCKS.	Private aid.
							32/03
17205	- RANGE A REAR LIGHT 2,336 yards, 340° from front light.			55		KRW on tower.	
					*	*	
							32/03
18270	- Buoy 20						Remove from list.
							*
							32/03
*18282	- Buoy 22 190 yards outside channel limit.					Red nun.	
							32/03
21810	- RANGE G FRONT LIGHT	29 49 34 N 93 57 44 W	Q G	36		KRW on skeleton tower on piles.	For upbound traffic. Visible 2° each side of rangeline.
					*		
							32/03
21865 34045	- RANGE H FRONT LIGHT	29 52 06 N 93 55 49 W	Q R	39		KRW-I on skeleton tower on concrete block.	For upbound traffic. Visible 2° each side of rangeline.
					*		
							32/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
21915 33995	- RANGE K FRONT LIGHT	29 56 05 N 93 52 05 W	Q W	30		KRW-I on skeleton tower on piles.	Visible 2° each side of rangeline. *
							32/03
21920 34000	- RANGE K REAR LIGHT 535 yards, 200° from front light.		Iso W 6s	53		KRW on skeleton tower.	Visible 2° each side of rangeline. *
							32/03
21925 33965	- UPPER RANGE M FRONT LIGHT	29 58 17 N 93 51 10 W	Q W	30		KRW-I on skeleton tower.	For upbound traffic. Visible 2° each side of rangeline. *
						*	32/03
22425	- RANGE T FRONT LIGHT	30 00 27 N 93 58 42 W	F G	40		On skeleton tower on block.	Lighted throughout 24 hours. *
							32/03
22430	- RANGE T REAR LIGHT 310 yards, 287.9° from front light.		F G	71		On skeleton tower on block.	Lighted throughout 24 hours. *
							32/03
22440	- RANGE U REAR LIGHT 560 yards, 287.9° from front light.		F G	45		KRW on skeleton tower.	Visible 2° each side of rangeline. *
						*	32/03
25625	- LIGHT 7	28 55 42 N 95 17 29 W	Q G	17	5	SG on skeleton tower on block.	
				*			32/03
26073	- LIGHT 26		Fl R 4s	17	3	TR on pile.	Ra ref. *
							32/03
*Delete Headings:							
*New Orleans - Port Arthur							
*Via Mississippi River and Harvey Canal							
33175 13620	NAVAL ACTIVITY LIGHTS (2) RDB mile 93.0.						Remove from list. *
							32/03
*Add Headings:							
*New Orleans - Port Arthur							
*Via Mississippi River and Harvey Canal							
33180 13625	GOVERNOR NICHOLLS LIGHT 94 LDB mile 94.3.	29 57 36 N 90 03 24 W	Fl R 4s	6	Skeleton tower. On same structure as Governor Nicholls Harbor Traffic Control Light.	Not operated when traffic control lights are in operation.	
							32/03
33965 21925	- UPPER RANGE M FRONT LIGHT	29 58 17 N 93 51 10 W	Q W	30		KRW-I on skeleton tower.	For upbound traffic. Visible 2° each side of rangeline. *
						*	32/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
33995 21915	- RANGE K FRONT LIGHT	29 56 05 N 93 52 05 W	Q W	30		KRW-I on skeleton tower on piles.	Visible 2° each side of rangeline. 32/03
		*					
34000 21920	- RANGE K REAR LIGHT 535 yards, 200° from front light.		Iso W 6s	53		KRW on skeleton tower.	Visible 2° each side of rangeline. 32/03
			*				
34045 21865	- RANGE H FRONT LIGHT	29 52 06 N 93 55 49 W	Q R	39		KRW-I on skeleton tower.	For upbound traffic. Visible 2° each side of rangeline. 32/03
		*			*		
35155	- INNER RANGE A FRONT LIGHT	29 11 01 N 95 08 25 W	Q W	25		KRW on skeleton tower on pile.	Visible all around; higher intensity on rangeline. 32/03
		*					
35190	- OUTER RANGE FRONT LIGHT	29 10 27 N 95 08 07 W	Q W	25		KRW on skeleton tower on piles.	Visible all around; higher intensity on rangeline. 32/03
		*					
37510	- LIGHT 55 90 feet outside channel limit.		Fl G 2.5s	17	4	SG-SY on pile.	Ra ref. 32/03
				*			
38300	- LIGHT 65		Fl G 4s	17	4	SG-SY on pile.	Ra ref. 32/03
				*			
38325	- LIGHT 73		Fl G 4s	17	4	SG-SY on pile.	Ra ref. 32/03
				*			
38350	- LIGHT 81		Fl G 4s	17	4	SG-SY on pile.	Ra ref. 32/03
				*			
38375	- LIGHT 89		Fl G 4s	17	4	SG-SY on pile.	Ra ref. 32/03
				*			
38400	- LIGHT 97		Fl G 4s	17	4	SG-SY on pile.	Ra ref. 32/03
				*			
38425	- LIGHT 105		Fl G 4s	17	4	SG-SY on pile.	Ra ref. 32/03
				*			
38450	- LIGHT 113		Fl G 4s	17	4	SG-SY on pile.	Ra ref. 32/03
				*			

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Corpus Christi - Baffin Bay							
Lights 50 feet outside channel limit.							
38510	- LIGHT 121		Fl G 4s	17	4	SG-SY on pile.	Ra ref.
					*		32/03
38735	- LIGHT 193		Fl G 4s	17	4	SG-SY on pile.	Ra ref.
					*		32/03
38850	- LIGHT 223	27 16 45 N 97 24 35 W	Fl G 4s	17	4	SG-SY on pile.	Ra ref.
		*			*		32/03
39030	- LIGHT 19		Fl G 4s	17	4	SG-SY on pile.	
					*		32/03
39080	- LIGHT 35		Fl G 4s	17	4	SG-SY on pile.	
					*		32/03
39130	- LIGHT 51		Fl G 4s	17	4	SG-SY on pile.	Ra ref.
					*		32/03
39220	- LIGHT 2 50 feet outside channel limit.		Fl R 6s	17	4	TR-TY on pile.	Ra ref.
					*		32/03
39650	- LIGHT 127		Q G	17	4	SG on pile.	Ra ref.
					*		32/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
181.5	Santa Monica Bay UCLA Research Buoy "MUCLA"	33 56 20 N 118 42 30 W	Fl Y 4s			Yellow buoy with tripod.	Private aid.
		*					32/03
8285	- LIGHT 2	40 44 54 N 124 13 30 W	Fl R 4s	15	3	TR on pile.	Ra ref.
		*	*			*	32/03
8345	- LIGHT 13	40 43 35 N 124 13 19 W	Fl G 2.5s		3	Green.	
		*	*				32/03
11770	- LIGHT 4	45 38 30 N 121 55 57 W	Fl R 4s		3	TR on pile.	
		*			*		32/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9840	RECORS POINT DOCK LOWER LIGHT	42 45 32 N 82 28 21 W	Fl G 4s	30 9	On white post. 24	Private aid.	
		*			*		32/03
9850	RECORS POINT DOCK UPPER LIGHT		Iso G 4s	30 9	On white post. 24	Private aid.	
		*			*		32/03
10373	- LIGHT	43 45 37 N 83 16 22 W	Fl W 10s	65 20	Square white tower with red roofed cupola. 38	Private aid.	
		*			*		32/03
20413	- ENTRANCE SOUTH PIER LIGHT 1	42 29 34 N 87 48 07 W	Fl G 2.5s	21 6	SG on pole.	Private aid.	
		*					32/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
 Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2402	Grand Bruit Harbor, on Eastern Point.						<i>Remove from list.</i>
							*
							32/03
3196 <i>H 1990</i>	Ile de Corossal.	50° 05.3' N 66° 22.6' W	Fl.I.W. period 2.4s fl. 0.4s, ec. 2s			12 Skeleton tower; 60.	Operates at night only.
				*	*	*	*
							32/03
6914 <i>H 1782</i>	Riviere-au-Renard Wharf.	48° 59.9' N 64° 22.9' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	23 7		19 Square skeleton tower; 15.	
				*	*		*
							32/03
6916 <i>H 1780</i>	Riviere-au-Renard Range, front.	48° 59.7' N 64° 23.2' W	F.R.	33 10		16 Square skeleton tower, fluorescent orange daymark, black stripe; 25.	Visible on range line only.
				*	*		*
							32/03
6920 <i>H 1780.1</i>	-Rear, 73 meters 216°15' from front.	48° 59.7' N 64° 23.2' W	F.R.	34 10		16 Square skeleton tower, fluorescent orange daymark, black stripe; 30.	Visible on range line only.
				*	*		*
							32/03
7928 <i>H 1110</i>	-Inner Range, front.	46° 34.4' N 63° 42.8' W	Q.R.	25 8		Square skeleton tower, white daymark, red stripe; 22.	Visible on range line only. Seasonal.
				*			
							32/03
7932 <i>H 1110.1</i>	--Rear, 76 meters 037°27' from front.	46° 34.5' N 63° 42.7' W	Iso.R. period 4s	31 10		Square skeleton tower, white daymark, red stripe; 22.	Visible on range line only. Seasonal.
				*	*		
							32/03
7944 <i>H 1124</i>	-Port Hill wharf.	46° 35.6' N 63° 52.0' W	Fl.W. period 4s fl. 1s, ec. 3s	15 4		7 Square skeleton tower; 14.	Seasonal.
				*	*		
							32/03
7948 <i>H 1129</i>	Cape Tryon.	46° 32.0' N 63° 30.4' W	L.Fl.W. period 6s fl. 2s, ec. 4s	110 33		8 White square tower; 41.	Emergency light.
				*	*		
							32/03
7960 <i>H 1130.1</i>	-Rear, 305 meters 209°16' from front.	46° 30.6' N 63° 29.3' W	Iso.R. period 4s	43 13		White square tower, red stripe.	Seasonal.
				*			
							32/03
7996 <i>H 1150</i>	Cape Stanhope (Covehead Harbor).	46° 25.8' N 63° 08.6' W	Fl.W. period 5s fl. 0.5s, ec. 4.5s	36 11		7 Red and white square tower; 27.	Seasonal. Horn: 1 bl. ev. 30s. (bl. 3s, si. 27s). Horn points 005°. Emergency light. Private light.
				*			
							32/03

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SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
8616 <i>H 1248</i>	-Pictou Bar.	45° 41.2' N 62° 39.8' W	L.FI.W. period 5.5s fl. 2s, ec. 3.5s	45 14	13	White octagonal tower, red and white stripes, red upper portion; 37.	Emergency light.
	-Range, front.		Q.R.	25 8	*	*	32/03
8617 <i>H 1248.1</i>	--Rear, 3206 meters 249°42' from front.	45° 40.6' N 62° 42.1' W	Iso.R. period 4s	94 29	14	Square skeleton tower, white daymark, red stripe; 42.	
	*				*	*	32/03
8620 <i>H 1256</i>	-Harbor Range, front.	45° 41.3' N 62° 40.7' W	F.W.	23 7	12	White square tower, red stripe, red upper portion; 22.	Visible on range line only.
	*			*	*	*	32/03
8624 <i>H 1256.1</i>	--Rear, 142 meters 261°55' from front.	45° 41.3' N 62° 40.8' W	F.W.	55 17	12	White square tower, red stripefluorescent red upper portion; 36.	Visible on range line only.
	*			*	*	*	32/03
8825 <i>H 1176.4</i>	-Pleasant Bay, NE. of breakwater.	46° 50.0' N 60° 47.8' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	23 7	8	Mast; 13.	Seasonal.
		*			*	*	*
10868 <i>H 3880</i>	-Westport.	44° 15.8' N 66° 20.9' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	17 5	2	Gray skeleton mast; 12.	
		*		*	*	*	32/03
16852 <i>J 6270</i>	Monjes del Sur.	12° 21.3' N 70° 54.1' W	Fl.W. period 10.6s fl. 0.6s, ec. 10s	285 87	28	White round concrete tower, red bands; 42.	
RACON		V(• • -)			10		
				*	*	*	32/03
-Rio de Janeiro:							
18435 <i>G 0391</i>	-Ilha Rasa de Dentro.	22° 48.0' S 43° 09.4' W	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	30 9	4	Black column, red bands; 10.	
				*	*		32/03

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9169.5	-Fairway buoy.	28° 46.2' S 114° 31.7' E	L.FI.W. period 10s			SAFE WATER RW, pillar, topmark.	
	-RACON		G(- - -)		*		32/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.

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SECTION II

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
10400 K 2978.1	--Rear, 1.56 miles 312°04' from front.	23° 48.0' S 151° 15.9' E	Iso.W. period 2s	52 16		White cylindrical tower; 7.	F.W. by day (occas).
			*				*
10445 K 2989.9	-Targinie Channel Range, front.	23° 48.9' S 151° 14.8' E	Q.W. Fl.Y. period 2.5s			Black and yellow beacon, triangular topmark.	Targinie Channel marked by synchronized beacons "T1" to "T6".
						Orange rectangular daymark, yellow stripe.	
			*				32/03
10445.5 K 2989.97	--Rear, 0.8 mile 113°36' from front.	23° 49.1' S 151° 15.6' E	Iso.W. period 2s Fl.(2)W. period 6s			Black and yellow beacon.	
			*		*		32/03

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
16726 F 4374.82	Minrakdong, E. breakwater.						Remove from list.
							*

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
17964 E 5100	--Mole T-head, SE. end.	46° 30.6' N 30° 44.3' E	Fl.Bu.	33 10	1	White round metal column; 26.	
			*				32/03
*18220 E 5272	Isaychava.	45° 41.6' N 33° 02.4' E	L.FI.W. period 5s		11		Radar reflector.
							32/03

CORRECTIONS TO PUB 114, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*Delete Heading: *KRUININGEN FERRY HARBOR:							
<i>Remove from list.</i>							
9332 B 0290	-W. mole, head.						*
							32/03
9336 B 0292	-E. mole, head.						Remove from list.
							*
							32/03

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SECTION II

CORRECTIONS TO PUB 114, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*Delete Heading:							
*PERKPOLDER HARBOR:							
9340	-W. mole. <i>B 0294</i>						<i>Remove from list.</i>
						*	32/03
9344	-E. mole. <i>B 0295</i>						<i>Remove from list.</i>
						*	32/03

CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1048	-E. Range, front. <i>C 0566</i>	57° 38.0' N 11° 36.7' E	Oc.R. period 4s	31 9	14	White tower; 33.	Visible 176°-276°.
						*	32/03
1052	--Rear, 390 meters 253°54' from front. <i>C 0566.1</i>	57° 37.9' N 11° 36.3' E	Oc.R. period 4s	62 19	14	Red house, black gable, white band on side facing alignment.	Visible 186°-286°. Synchronized with front.
	*	*				*	32/03
1140	--Rear, 1.2 km., 079°36' from front. <i>C 0584.1</i>	57° 41.5' N 11° 55.3' E	Q.R.	253 77	11	Mast.	Shown by day from Nov. 1 to Mar. 31.
	*	*					32/03
9376	-Yxhammarskubben. <i>C 6495</i>	59° 18.8' N 18° 48.6' E	Fl.(3)W.R.G. period 9s fl. 0.7s, ec. 1s fl. 0.7s, ec. 1s fl. 0.7s, ec. 4.9s	26 8	W. 6 R. 4 G. 3	Red hut, white base; 26. Floodlit.	W. 095°-166°30', R.-283°, G.- 292°, W.-298°, R.-022°, obsc.- 095°.
	*	*					32/03

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Denotes a new entry when preceding the station number.

SECTION II

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 32/03

Note: * indicates New Edition/New Publication; ** indicates Publication Canceled; N indicates Not For Sale

NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.
NIMA HYDRO CATALOG CATP2V01U Region 1	2002	1*,2,3,4,7,8,9,10,11, 14,15,17,19,20,21, 22,23,24,25,26,27, 28,29,30,31,32/03	SDPUB140	2001	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22,23,24,25,26, 31,32/03	USCG LIGHT LIST VOLUMES I - VII COMDTM165021	2003	17*,18,19,20,21,22, 23,24,25,26,27,28, 29,30,31,32/03
Region 2	2002	1*,8,15,17,20,21,22, 23,24,26,28,30, 32/03	SDPUB141	2001	21*,38/01	COMDTM165022	2003	17*,18,19,20,21,22, 23,24,25,26,27,28, 29,30,31,32/03
Region 3	2002	1/03*	SDPUB142	2000	49/00*;3,31,35/01; 1,15,43/02	COMDTM165023	2003	17*,18,19,20,21,23, 24,25,26,28,29,31, 32/03
Region 4	2002	1*,23/03	SDPUB143	2000	8*,10,19,29/00;16, 26/01;1,25/02;9/03	COMDTM165024	2003	18*,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32/03
Region 5	2002	1*,3,5,8,22,27,30/03	SDPUB145	2000	13*,14,18,19,22,26, 32,37,38,46,47,51, 53/00;1,4,5,7,10,12, 28,29,35,52/01;14, 27/02	COMDTM165025	2002	16/02*
Region 6	2002	1*,10,11,13,16,19, 20,21,25,28,30/03	SDPUB147	2001	35/01*;21,22,23, 24/02	COMDTM165026	2003	18*,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32/03
Region 7	2002	1*,11,15,28/03	SDPUB148	2001	48/01*;23,24/02; 22/03	COMDTM165027	2003	18*,20,21,22,23,24, 26,27,28,30,31, 32/03
Region 8	2002	1*,14/03	SDPUB153	2000	6/01*;28,30,41,44, 46,47,48,52/02;1,3, 4,8,13,15,22,25, 32/03	FLEET GUIDES FGPUB940ATL	2001	N47/01*
Region 9	2002	1/03*	SDPUB154	2002	17*,19,31,42,44,45, 46,48,50/02;3,14,19, 23,30/03	FGPUB941PAC	2001	N22/01*
Miscellaneous Charts and Publications	2002	1*,2,4,5,6,7,9,11,12, 13,15,17,18,19,20, 21,23,24,25,27,28, 29,30,31,32/03	SDPUB155	2001	31*,48/01;10,45, 46/02	NOS MISCELLANEOUS PUBLICATIONS NOSPCATALOG1	2000	20/00*
LLPUB110	2003	7*,8,9,11,13,14,15, 16,17,18,20,21,23, 24,25,26,27,28,29, 31,32/03	SDPUB159	2002	42*,48/02	NOSPCATALOG2	2000	34/00*
LLPUB111	2002	35*,36,37,38,39,40, 41,42,43,44,45,46, 47,48,50,51,52/02;1, 2,3,4,5,6,7,8,9,10, 12,15,16,17,18,19, 20,21,22,23,24,25, 28,29,30,31,32/03	SDPUB160	2002	47*,48,49,52/02;6,8, 10,11,19,21,22,23, 30/03	NOSPCATALOG3	2000	28/00*
LLPUB112	2003	4*,5,6,7,8,9,10,11, 12,13,14,15,16,17, 18,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32/03	SDPUB161	2002	23*,24,44,47,48/02; 5,12/03	NOSPCATALOG4	2000	34/00*
LLPUB113	2002	45*,47,48,50,51, 52/02;1,2,3,4,5,6,7, 8,10,11,12,13,14,15, 16,17,18,19,20,21, 22,23,24,25,26,27, 28,29,30,31,32/03	SDPUB162	2001	51/01*;5,12/03	ALMANACS AIRALMANAC401	2004	29/03*
LLPUB114	2003	17*,19,21,22,23,24, 27,31,32/03	SDPUB163	2002	18*,20,21,26,46, 51/02;13,24,26,27, 28,29,30,31/03	NAUTALMANAC04	2004	29/03*
LLPUB115	2002	39*,40,41,44,45,50, 51,52/02;1,15,19,20, 26/03	SDPUB164	2000	30/00*;31,35,36/01; 8,28/03	COAST PILOT NOSPCP1	33	27*,28,29,32/03
LLPUB116	2003	24*,26,27,28,29,30, 31,32/03	SDPUB171	2001	40*,47,48,52/01;5,9, 14,16,41/02;23,24, 26/03	NOSPCP2	32	17*,18,21,22,26,28, 30,32/03
SAILING DIRECTIONS			SDPUB172	2001	1*,2,3,5,6,7,8,9,14, 15,16,17,18,19,20, 22,24/02;1,11,12,13, 14,15,19,20,22,23, 25,26,27,28,29,31, 32/03	NOSPCP3	35	3*,5,7,12,15,17,18, 21,22,27,28,33,37, 42,45,49,51/02;3,10, 12,13,14,18,20, 27/03
CDPUBSD125	2003	19/03*	SDPUB173	2002	50*,51/02;3,22,24, 25,26,27,32/03	NOSPCP4	34	49*,51/02;12,14,18, 20,21,22,27,32/03
CDPUBSD131	2002	9/03*	SDPUB174	2000	7*,19,37,45,51, 52/01;1,5,14,19,22, 28,33,37,38,48/02; 30/03	NOSPCP5	30	2*,6,10,12,14,18,20, 27,30,32/03
CDPUBSD146	2002	4/03*	SDPUB175	2001	41*,43,45,51/01;8, 11,12,13,14,16,17, 21,27,37,41,49/02;	NOSPCP6	33	23*,27,29,32/03
CDPUBSD157	2003	17/03*			26,27,29,32/03	NOSPCP7	34	1*,3,10,18,20,21,22, 27,30,32/03
CDPUBSD158	2003	24/03*	SDPUB180	2002	32*,33,42,47,48, 50/02;6,13,14,17,21, 24/03	NOSPCP8	25	32/03*
CDPUBSD192	2003	32/03*	SDPUB181	2002	38*,39/02	NOSPCP9	21	30*,32/03
CDPUBSD194	2002	6*,8,15,17,30/03	SDPUB182	2001	8*,10,12,41/02; 17/03	RADIO NAVIGATIONAL AIDS RAPUB117	2002	50/02*;13/03
SDPUB120	2001	12*,18,48,49,51/01; 8,13,14,21,22,24,29, 33,35,37,42,43,44, 45,47/02;4,6,7,8,9, 10,11,12,14,17,20, 21,23,29,30,31/03	SDPUB183	2001	27/01*;13,15,16/02; 18/03	AMERICAN PRACTICAL NAVIGATOR NVPUB9	2002	36/02*;14/03
SDPUB123	2001	45*,47,48/01;1,14, 17,18,19/02;24,25, 27,28,32/03	SDPUB191	2000	5*,7,8,9,10,11,12, 13,14,15,16,17,18, 19,20,22,23,27,28, 29,30,31,33,34,36, 44,45,47,48/01;10, 14,15,16,17,42, 50/02;2,9,12,15,18, 22/03	INTERNATIONAL CODE OF SIGNALS CDPUBNV102	2003	20/03*
SDPUB124	2001	18*,44,45,47,48,49, 52/01;17,19,20,21, 29,30,31,34,46, 50/02;24,25,27,28, 29,30,32/03	SDPUB193	2000	27*,38,49,00;9,26, 27,31,32/01;14,15, 26,52/02;18,19,20, 23,29/03	WORLD PORT INDEX NVPUB150	2000	50/00*;14,15,16,20, 21,41,42,43,44,45, 46,47,48,49,51, 52/01;1,2,5,6,10,11, 12,16,19,21,22,27, 31,32,33,36,39,40, 42,46,49/02;2,7,10, 15,20/03
SDPUB126	2002	39*,41,42,43,44,45, 48/02;24,26,27,28, 30,32/03	SDPUB195	2002	33*,40,49,51,52/02; 1,2,3,15,16,21,32/03	DISTANCES BETWEEN PORTS NVPUB151	2001	4/02*
SDPUB127	2000	37*,38/00;18,33,40, 44,45,48,49,52/01;1, 11,13,17,18,27,33, 34,37,41,47,49, 51/02;5/03	SDPUB200	2002	38*,39,42/02;22, 27/03	RADAR NAVIGATION AND MANEUVERING BOARD MANUAL CDPUBNV1310	2001	51/01*
SDPUB132	2000	39*,45/00;16,17,31, 35/01;1,12,21,25, 26/02;2,10/03						

SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 32/03**

Note: * indicates New Edition/New Publication; ** indicates Publication Canceled; N indicates Not For Sale

NIMA Reference No.	Ed.	Notice to Mariners No.		
SIGHT REDUCTION TABLES (MARINE)				
SRPUB229V1	1970	11/71*		
SRPUB229V2	1970	11/71*		
SRPUB229V3	1970	7/71*		
SRPUB229V4	1970	3/71*		
SRPUB229V5	1970	3/71*		
SRPUB229V6	1970	23/70*		
SIGHT REDUCTION TABLES (AIR)				
SRPUB249V1	2000	4/01*		
SRPUB249V2	1952	46/52*		
SRPUB249V3	1952	46/52*		
CHART NO. 1				
WOBZC1	1997	18/98*		
CHART NO. 4				
WOBZC4	1988	N23/91*		
ATLAS OF PILOT CHARTS				
NVPUB107	1998	30/99*		
NVPUB109	2001	49/02*		
USCG NAVIGATION RULES				
COMDTM166722D	1999	44/99*;52/00		
NOS TIDE TABLES				
NOSPBTTCWPACIN3	2003	N4/03*		
NOSPBTTECSTNSA3	2003	N4/03*		
NOSPBTTEURAFR3	2003	N4/03*		
NOSPBTWCSTNSA3	2003	N4/03*		
TIDAL CURRENT TABLES				
NOSPBTCTATCSTN3	2003	N4/03*		
NOSPBTCTPACAS3	2003	N4/03*		

SECTION III

NM 32/03

BROADCAST WARNINGS

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

NAVAREA IV

Messages in force 241200Z July 2003:

2001 series	468(GEN)	261(GEN)	286(11)	298(11)
393(GEN)	2003 series	262(11)	294(GEN)	299(GEN)
2002 series	108(26,27)	270(11)	295(12,13)	300(14)
219(GEN)	236(11)	280(24)	297(11,26)	

The summary of all NAVAREA IV messages in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

NAVAREA IV WARNINGS issued from 171200Z to 241200Z July 2003.

297/03(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:

- A. 0400Z TO 0359Z COMMENCING DAILY
21 THRU 27 JUL IN AREA BOUND BY
30-45N 080-54W, 30-45N 080-11W,
30-36N 080-11W, 30-34N 080-33W.
- B. 0400Z TO 0359Z COMMENCING DAILY
21 THRU 27 JUL IN AREA BETWEEN
29-10N 29-20N AND 079-40W 079-50W.
- C. 1300Z TO 0600Z COMMENCING DAILY
17, 18 AND 22 THRU 25 JUL IN AREA BETWEEN
30-00N 29-50N AND 081-00W 080-50W.
- D. 1200Z TO 1400Z DAILY 26 AND 27 JUL
IN AREA BETWEEN
30-50N 31-10N AND 080-30W 080-40W.
- E. 271900Z TO 272130Z JUL IN AREA BETWEEN
30-20N 30-30N AND 080-00W 080-20W.

2. CANCEL THIS MSG 280459Z JUL.

(181650Z JUL 2003)

298/03(11). GULF OF MEXICO.

- 1. SURVEY OPERATIONS 210001Z JUL TO 010001Z AUG
BY M/V NORTHERN ACCESS TOWING 8700 METER
LONG CABLE IN AREA BETWEEN
27-55N 28-15N AND 089-40W 094-30W.
SIX MILE BERTH REQUESTED.

2. CANCEL THIS MSG 010101Z AUG.

(190910Z JUL 2003)

299/03(11).

- 1. NAVAREA IV MESSAGES IN FORCE 191000Z JUL 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 236(11), 261(GEN), 262(11), 270(11), 280(24),
285(11,26), 286(11), 291(GEN), 294(GEN), 295(12,13),
297(11,26), 298(11).
- 2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03.

3. CANCEL NAVAREA IV 287/03.

(191010Z JUL 2003)

300/03(14). NORTH ATLANTIC. ICE.

- 1. RADAR TARGET REPORTED IN 46-02.0N 047-57.0W AT 221010Z JUL.
- 2. CANCEL THIS MSG 29 JUL.

(222004Z JUL 2003)

SECTION III

HYDROLANTS

Messages in force 241200Z July 2003:

2000 series	2682(51)	867(37)	1238(37)	1349(36,37)	1406(51)
2937(38)	2848(37)	903(36)	1239(GEN)	1354(57)	1407(43)
3762(43)	2869(52)	925(53)	1242(24)	1355(52)	1409(51)
4265(44)	2882(54)	948(57)	1243(54)	1361(51,52)	1410(24)
2001 series	2883(54)	1048(57)	1244(53)	1373(52,53)	1411(24)
611(44)	2003 series	1088(57)	1245(36)	1374(52,53)	1413(53)
2659(GEN)	41(37)	1117(37)	1255(44)	1379(24)	1414(36)
2700(37)	67(37)	1161(51,52)	1265(52)	1382(55)	1415(14)
3161(44)	76(54)	1182(53)	1291(37)	1385(24)	1417(GEN)
2002 series	317(37)	1186(43)	1293(35)	1389(36)	1418(53)
245(GEN)	390(22)	1192(35,43)	1298(37)	1391(24)	1419(52,53)
246(GEN)	544(55)	1193(37)	1301(37)	1393(GEN)	1420(24)
383(53)	604(26,27)	1201(57)	1303(54)	1394(53)	1421(24)
2203(51)	675(37)	1212(38)	1318(56)	1395(55)	1422(53)
2354(53)	738(35)	1213(35)	1332(43)	1396(38)	
2673(GEN)	754(37)	1232(51,52)	1342(55)	1402(37)	

The summary of all HYDROLANTS in force as of 12 December 2002 is given in Section III of NM 52/02.
Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

HYDROLANT WARNINGS issued from 171200Z to 241200Z July 2003.

1373/03(52,53). STRAIT OF SICILY.

1. SURVEY OPERATIONS 17 JUL UNTIL
FURTHER NOTICE BY M/V URANIA:

A. IN AREA BOUND BY

37-19.3N 013-24.7E, 36-07.5N 012-48.4E,
36-10.3N 013-42.6E, 36-15.6N 014-21.5E,
36-01.1N 015-02.8E, 36-36.8N 015-07.1E,
36-41.3N 014-47.1E, 36-45.9N 014-27.2E,
36-58.8N 014-19.5E.

B. ALONG TRACKLINE JOINING

36-10.0N 014-00.0E, 35-40.0N 013-10.0E,
37-00.0N 013-40.0E, 36-20.0N 013-00.0E,
36-50.0N 012-10.0E, 36-50.0N 012-30.0E,
37-50.0N 011-10.0E, 38-10.0N 010-20.0E,
38-25.0N 013-40.0E.

C. ALONG TRACKLINE JOINING

37-30.8N 012-57.7E, 37-24.4N 012-53.4E,
37-17.5N 012-48.2E, 37-07.1N 012-40.5E,
36-56.7N 012-32.8E.

D. ALONG TRACKLINE JOINING

37-09.0N 015-21.0E, 37-09.0N 015-44.0E,
36-17.0N 014-19.0E, 36-23.0N 014-26.0E,
36-35.0N 014-35.0E, 37-01.0N 014-11.0E,
36-53.0N 014-06.0E, 36-43.0N 013-58.0E,
36-29.0N 013-50.0E, 36-28.0N 013-20.0E,
37-29.0N 012-21.0E, 37-37.0N 012-29.0E,
37-43.0N 012-11.0E, 38-11.0N 013-29.0E,
38-08.0N 013-25.0E.

WIDE BERTH REQUESTED.

2. CANCEL HYDROLANT 1316/03.

(171310Z JUL 2003)

1374/03(52,53). STRAIT OF SICILY.

CHART 52180 (14TH ED).

SCAURI LIGHT 36-46.1N 011-57.5E UNLIT.

(171338Z JUL 2003)

1375/03 thru 1378/03. CANCELED.

1379/03(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 250300Z JUL
BY M/V BULLDOG TOWING 15 METER LONG CABLE
IN AREA BOUND BY
04-40.1S 037-00.2W, 04-35.5S 037-20.2W,
04-40.8S 037-13.2W, 04-45.4S 037-16.3W.
ONE MILE BERTH REQUESTED.

2. CANCEL THIS MSG 250400Z JUL.

(180750Z JUL 2003)

1380/03 and 1381/03. CANCELED.

SECTION III

1382/03(55). BLACK SEA. MISSILES.

1. HAZARDOUS OPERATIONS 0200Z TO 1600Z DAILY
22 THRU 25 JUL IN AREA BOUND BY
45-06.2N 036-54.3E, 45-02.0N 037-07.1E,
44-47.8N 037-05.4E, 44-24.4N 037-12.8E,
44-16.4N 037-13.1E, 44-15.0N 036-52.4E,
44-16.4N 036-32.0E, 44-24.4N 036-32.6E,
44-47.8N 036-39.6E, 45-02.2N 036-37.8E,
45-06.2N 036-50.6E.
2. CANCEL THIS MSG 251700Z JUL.

(181323Z JUL 2003)

1383/03 and 1384/03. CANCELED.

1385/03(24). BRAZIL-EAST COAST.

1. FIVE PERSONS REMAIN MISSING FROM F/V LALU
IN 17-13.9S 038-59.2W AT 170100Z JUL.
VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO ANY COASTAL RADIO STATION.
2. CANCEL HYDROLANT 1377/03.

(181717Z JUL 2003)

1386/03 thru 1388/03. CANCELED.

1389/03(36). IRISH SEA.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY CABLESHIP WAVE SENTINEL VICINITY 53-49N 004-36W.
WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 1352/03.

(190117Z JUL 2003)

1390/03. CANCELED.

1391/03(24). BRAZIL-NORTHEAST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 241300Z TO 242000Z JUL
IN AREA BOUND BY
05-54.0S 035-11.0W, 05-56.0S 035-11.0W,
06-03.6S 034-57.2W, 05-47.0S 034-56.3W.
2. CANCEL HYDROLANT 1096/03 AND 1337/03.
3. CANCEL THIS MSG 242100Z JUL.

(190610Z JUL 2003)

1392/03. CANCELED.

1393/03(GEN).

1. HYDROLANT MESSAGES IN FORCE 191200Z JUL 2003. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 1117(37), 1161(51,52), 1182(53), 1186(43),
1192(35,43), 1193(37), 1201(57), 1212(38), 1213(35),
1232(51,52), 1238(37), 1239(GEN), 1242(24), 1243(54),
1244(53), 1245(36), 1253(55), 1255(44), 1265(52), 1291(37),
1292(53), 1293(35), 1298(37), 1301(37), 1303(54), 1318(56),
1332(43), 1335(56), 1342(55), 1349(36,37), 1350(GEN),
1354(57), 1355(52), 1357(53), 1358(52), 1360(55), 1361(51,52),
1372(53), 1373(52,53), 1374(52,53), 1376(35), 1378(35,38),
1379(24), 1381(36), 1382(55), 1385(24), 1386(37), 1387(57),
1388(35), 1389(36), 1391(24).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE
AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS
ARE SUMMARIZED IN NM 13/03.
3. CANCEL HYDROLANT 490/03, 563/03, 1343/03, 1392/03.

(191210Z JUL 2003)

1394/03(53). TYRRHENIAN SEA.

1. OCEANOGRAPHIC SURVEY 21 THRU 24 JUL
BY M/V ARETUSA IN AREA BOUND BY
38-48-37N 015-08-09E, 38-44-27N 015-16-36E,
38-38-21N 015-11-01E, 38-42-50N 015-02-18E.
WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 1292/03.
3. CANCEL THIS MSG 25 JUL.

(191250Z JUL 2003)

SECTION III

NM 32/03

1395/03(55). BLACK SEA.

SEISMIC SURVEY 20 JUL UNTIL FURTHER NOTICE
BY M/V RAMFORM CHALLENGER TOWING FIVE MILE
LONG CABLE IN AREA BOUND BY
41-49.1N 040-54.6E, 41-35.6N 041-16.6E,
41-32.8N 041-26.9E, 41-22.4N 041-15.1E,
41-16.8N 040-56.2E, 41-30.0N 040-34.3E.

(191310Z JUL 2003)

1396/03(38). NORTH ATLANTIC. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 240001Z TO 252359Z JUL
WITHIN 130 MILES OF 62-50N 031-49W.
2. CANCEL THIS MSG 260059Z JUL.

(191625Z JUL 2003)

1397/03 thru 1401/03. CANCELED.

1402/03(37). NORTH ATLANTIC.

1. DERELICT 15 METER S/V, WHITE HULL, ADRIFT
VICINITY 46-50N 007-41W AT 201500Z JUL.
2. CANCEL THIS MSG 27 JUL.

(201915Z JUL 2003)

1403/03 thru 1405/03. CANCELED.

1406/03(51). MOROCCO.

CHART 51013 (4TH ED).
NAVIGATION PROHIBITED UNTIL FURTHER NOTICE
IN AREA BOUND BY 33-33.27N 007-45.00W,
33-36.30N 007-45.00W, 33-40.08N 007-37.00W,
33-36.06N 007-37.00W.

(220055Z JUL 2003)

1407/03(43). NORTH SEA. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATION IN PROGRESS
UNTIL FURTHER NOTICE IN 61-04.1N 001-25.4E.
2. CANCEL HYDROLANT 1405/03.

(220126Z JUL 2003)

1408/03. CANCELED.

1409/03(51). NORTH ATLANTIC.

1. SEVEN METER LONG OBJECT ADRIFT IN 40-16.4N 017-10.4W.
2. CANCEL THIS MSG 29 JUL.

(220540Z JUL 2003)

1410/03(24). URUGUAY. GUNNERY.

1. GUNNERY EXERCISES 241000Z TO 241600Z JUL IN
AREA BETWEEN 35-00S 35-12S AND 053-48W 054-00W.
2. CANCEL THIS MSG 241700Z JUL.

(220550Z JUL 2003)

1411/03(24). BRAZIL-SOUTHEAST COAST.

1. OCEANOGRAPHIC OPERATIONS 25 JUL BY
M/V ANTARES IN 22-30S 039-00W.
ONE MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 1398/03.
3. CANCEL THIS MSG 26 JUL.

(220555Z JUL 2003)

1412/03. CANCELED.

1413/03(53). SARDEGNA-EAST COAST.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL 28 JUL
BY M/V VIRGINIA ONORATO IN AREA BETWEEN
39-58.0N 40-01.5N AND 009-44.0E 009-44.5E.
500 METER BERTH REQUESTED.
2. CANCEL THIS MSG 29 JUL.

(221050Z JUL 2003)

1414/03(36). WALES-WEST COAST.

CHART 36040 (16TH ED).
SOUTH BISHOP LIGHT 51-51.1N 005-24.6W UNRELIABLE.

(221310Z JUL 2003)

SECTION III

1415/03(14). NORTH ATLANTIC. ICE.

1. RADAR TARGET REPORTED IN 46-02.0N 047-57.0W AT 221010Z JUL.
2. CANCEL THIS MSG 29 JUL.

(222214Z JUL 2003)

1416/03. CANCELED.

1417/03(GEN).

1. THE WORLDWIDE NAVIGATION WARNING SERVICE AT NIMA HAS CHANGED ITS SIPERNET E-MAIL ADDRESS FROM NAVSAFETY@SE.NIMA.SMIL.MIL TO NAVSAFETY@NSCN.NIMA.SMIL.MIL. FOR URGENT SERVICE, CONTACT NIMA NAVSAFETY, DSN: 287 3149, COMM: 1 800 362 6289 OR 301 227 3149, E-MAIL: NAVSAFETY@NIMA.MIL OR MSG TO NIMA NAVSAFETY BETHESDA MD.
2. CANCEL THIS MSG 30 JUL.

(231420Z JUL 2003)

1418/03(53). STRAIT OF SICILY. GUNNERY.

1. GUNNERY EXERCISES 251200Z TO 251600Z JUL IN AREA BOUND BY 36-06N 013-50E, 36-30N 013-50E, 36-50N 013-00E, 36-20N 013-00E.
2. CANCEL THIS MSG 251700Z JUL.

(231810Z JUL 2003)

1419/03(52,53). EASTERN MEDITERRANEAN SEA.

1. DERELICT 30 FOOT VESSEL, GREY HULL, ADRIIFT VICINITY 35-20N 012-40E. REPORTS TO ANY COASTAL RADIO STATION.
2. CANCEL THIS MSG 30 JUL.

(231955Z JUL 2003)

1420/03(24). BRAZIL-EAST COAST.

1. DERELICT M/V GOYEN ADRIIFT VICINITY 21-11S 035-01W.
2. CANCEL THIS MSG 30 JUL.

(232107Z JUL 2003)

1421/03(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 250300Z JUL BY M/V THALES VENTURER TOWING 15 METER LONG CABLE IN AREA BOUND BY 23-14.2S 043-33.1W, 23-28.0S 042-46.4W, 23-49.3S 042-57.3W, 23-28.6S 043-38.5W. TEN MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 1798/01(37), WRECK REMOVED.
3. CANCEL HYDROLANT 1386/03(37), OPERATIONS COMPLETED.
4. CANCEL THIS MSG 250400Z JUL.

(240520Z JUL 2003)

1422/03(53). SARDEGNA-WEST COAST.

CHART 53110 (1ST ED). OCEANOGRAPHIC BUOY 39-59.10N 007-34.20E REMOVED. OCEANOGRAPHIC BUOY, FL (2) Y 20 SEC, ESTABLISHED IN 39-53.75N 007-33.43W.

(240940Z JUL 2003)

SECTION III**NAVAREA XII**

Messages in force 241200Z July 2003:

2001 series 298(GEN)	2002 series 178(GEN)	339(GEN) 2003 series	166(19) 169(GEN)	182(GEN) 185(18)
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The summary of all NAVAREA XII messages in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

NAVAREA XII WARNINGS issued from 171200Z to 241200Z July 2003.

182/03(GEN).

1. NAVAREA XII MESSAGES IN FORCE 191000Z JUL 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 166(19), 169(GEN), 181(18).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03.
3. CANCEL NAVAREA XII 178/03.

(191020Z JUL 2003)

183/03 and 184/03. CANCELED.

185/03(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:

A. 34-02N 119-04W.	M. THENCE THREE NAUTICAL MILES FROM AND PARALLEL
B. 33-52N 119-06W.	TO THE SHORELINE.
C. 33-29N 119-07W.	N. 34-24N 120-30W.
D. 33-29N 118-37W.	O. 34-08N 120-26W.
E. 33-20N 118-37W.	P. 34-08N 119-40W.
F. 32-11N 120-16W.	Q. 34-00N 119-40W.
G. 31-54N 121-35W.	R. 34-06N 119-13W.
H. 35-09N 123-39W.	S. 34-06N 119-11W.
I. 35-29N 123-00W.	T. 34-07N 119-10W.
J. 35-04N 122-43W.	U. 34-07N 119-07W.
K. 35-57N 121-32W.	V. 34-04N 119-04W.
L. 34-59N 120-42W.	
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
4. CANCEL NAVAREA XII 181/03.

(241010Z JUL 2003)

SECTION III

HYDROPACS

Messages in force 241200Z July 2003:

2001 series	100(29)	787(73)	1041(71)	1135(96)	1240(63)
1647(GEN)	167(95)	801(72)	1047(76,83)	1141(63)	1246(63)
1976(62)	197(71)	880(63)	1057(81)	1147(81)	1247(63)
2002 series	207(62)	895(62)	1063(91)	1150(63)	1248(63)
146(62)	445(96)	909(94,97)	1069(74)	1167(83)	1249(94)
205(GEN)	495(62)	932(62)	1091(61)	1171(62)	1252(GEN)
206(GEN)	496(62)	940(71)	1094(95)	1174(83)	1258(81)
207(93)	506(62)	960(63)	1095(94,95)	1175(83)	1260(63)
352(73)	515(73)	985(97)	1096(95)	1183(61)	1265(22)
403(72,73)	525(73,74)	992(62)	1097(94,95)	1187(61)	1266(73)
637(75)	570(62)	993(62)	1098(94,95)	1197(61,62)	1267(73)
828(62)	638(62)	998(71)	1099(94,95)	1198(92)	1268(83)
1765(71)	647(74)	1004(62)	1101(GEN)	1213(73)	1269(93)
2191(22)	649(71,93)	1007(76)	1105(61)	1220(62)	1270(62)
2199(63)	667(62)	1010(63)	1106(61)	1222(62)	1271(GEN)
2277(GEN)	743(62)	1018(97)	1110(61)	1226(83)	1272(81)
2330(62)	744(29)	1024(97)	1119(71)	1227(74)	1273(63)
2339(63)	760(63)	1027(81)	1124(96)	1228(63)	
2402(22)	761(63)	1031(62)	1133(71)	1230(97)	
2003 series	777(62)	1036(81)	1134(71)	1235(81)	

The summary of all HYDROPACS in force as of 12 December 2002 is given in Section III of NM 52/02.
Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

HYDROPAC WARNINGS issued from 171200Z to 241200Z July 2003.

1243/03 thru 1245/03. CANCELED.

1246/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0030Z TO 1230Z DAILY 22 THRU 24 JUL
IN AREA BOUND BY 19-14.6N 084-53.7E,
19-10.5N 085-01.0E, 19-01.7N 084-56.8E,
19-05.1N 084-48.4E, 19-12.6N 084-51.6E.
2. CANCEL THIS MSG 241330Z JUL.

(180820Z JUL 2003)

1247/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY 22 AND 25 JUL
IN AREA BOUND BY 09-57.6N 075-59.5E, 09-57.7N 076-14.2E,
09-40.0N 076-14.5E, 09-42.5N 076-09.5E.
2. CANCEL THIS MSG 251630Z JUL.

(181344Z JUL 2003)

1248/03(63). INDIA-WEST COAST.

CHART 63102 (19TH ED).

NAVIGATION PROHIBITED UNTIL FURTHER NOTICE
IN AREA BETWEEN 18-50.5N 18-53.5N
AND 072-39.0E 072-43.5E.

(181427Z JUL 2003)

1249/03(94). FORMOSA STRAIT.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 24-12.9N 119-24.2E.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO PAC RCC,
TELEX: 392401, PHONE: 808 531 1112, FAX: 808 541 2123.

(181504Z JUL 2003)

1250/03 and 1251/03. CANCELED.

1252/03(GEN).

1. HYDROPAC MESSAGES IN FORCE 191200Z JUL 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 985(97), 992(62), 993(62), 998(71), 1004(62),
1007(76), 1010(63), 1018(97), 1024(97), 1027(81), 1031(62),
1036(81), 1041(71), 1047(76,83), 1057(81), 1063(91), 1069(74),
1091(61), 1094(95), 1095(94,95), 1096(95), 1097(94,95),
1098(94,95), 1099(94,95), 1101(GEN), 1105(61), 1106(61),
1110(61), 1119(71), 1124(96), 1133(71), 1134(71), 1135(96),
1141(63), 1146(62), 1147(81), 1150(63), 1167(83), 1171(62),
1174(83), 1175(83), 1183(61), 1187(61), 1188(81), 1191(63),
1197(61,62), 1198(92), 1201(63), 1212(62), 1213(73), 1219(75),

SECTION III

- 1220(62), 1222(62), 1226(83), 1227(74), 1228(63), 1230(97),
 1231(81), 1235(81), 1239(74), 1240(63), 1242(62), 1244(81),
 1245(83), 1246(63), 1247(63), 1248(63), 1249(94), 1251(74).
 2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE
 AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
 WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS
 ARE SUMMARIZED IN NM 13/03.
 3. CANCEL HYDROPAC 819/03, 952/03, 956/03, 959/03, 962/03,
 968/03, 973/03, 982/03, 1208/03.

(191220Z JUL 2003)

1253/03 thru 1257/03. CANCELED.

1258/03(81). NORTH PACIFIC.
 MAN OVERBOARD FROM F/V KIFUKU MARU VICINITY 18-05N 150-43E
 BETWEEN 210310Z AND 210555Z JUL. VESSELS IN VICINITY
 REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
 REPORTS TO JAPAN COAST GUARD.

(210820Z JUL 2003)

1259/03. CANCELED.

1260/03(63). INDIA-WEST COAST. ROCKETS.
 1. HAZARDOUS OPERATIONS 1330Z TO 1600Z DAILY
 23 AND 24 JUL WITHIN 75 MILES OF
 08-31.9N 076-52.1E.
 2. CANCEL THIS MSG 241700Z JUL.

(211400Z JUL 2003)

1261/03 thru 1264/03. CANCELED.

1265/03(22). CHILE. RADIO SERVICES.
 DSC STATION TALCAHUANO 36-42S 073-06W OFF AIR.

(222231Z JUL 2003)

1266/03(73). PAPUA NEW GUINEA-SOUTHEAST COAST.
 CHART 73601 (3RD ED).
 LUNN ISLAND LIGHT 10-47.3S 152-00.4E UNLIT.

(230009Z JUL 2003)

1267/03(73). PAPUA NEW GUINEA-SOUTHEAST COAST.
 CHART 73631 (4TH ED).
 1. BOMATU POINT LIGHT 08-23.8S 151-07.2E UNLIT.
 2. CANCEL HYDROPAC 514/03.

(230510Z JUL 2003)

1268/03(83). SOUTH PACIFIC. GUNNERY.
 1. GUNNERY EXERCISES 232230Z TO 240300Z,
 241900Z TO 250300Z, 251900Z TO 260300Z AND
 261900Z TO 262230Z JUL IN AREA BOUND BY
 17-13S 149-56W, 17-10S 149-35W,
 16-42S 149-35W, 16-50S 149-54W.
 2. CANCEL THIS MSG 262330Z JUL.

(230740Z JUL 2003)

1269/03(93). SOUTH CHINA SEA.
 1. DERELICT VESSEL WAHANA ASIAADRIFT IN
 10-52.4N 109-37.6E AT 230330Z JUL. REPORTS
 TO SINGAPORE PORT OPERATION CONTROL CENTER.
 2. CANCEL THIS MSG 30 JUL.

(230820Z JUL 2003)

1270/03(62). PERSIAN GULF. ORDNANCE.
 1. UNDERWATER ORDNANCE DETONATIONS 270001Z JUL
 TO 052359Z AUG WITHIN TWO MILES OF:
 A. 28-00.4N 049-26.4E.
 B. 28-00.0N 049-27.1E.
 C. 29-33.9N 049-30.8E.
 D. 28-16.0N 049-57.2E.
 E. 29-37.0N 049-28.0E.
 F. 29-31.0N 049-33.0E.
 2. CANCEL THIS MSG 060059Z AUG.

(230950Z JUL 2003)

SECTION III

NM 32/03

1271/03(GEN).

1. THE WORLDWIDE NAVIGATION WARNING SERVICE AT
NIMA HAS CHANGED ITS SIPERNET E-MAIL ADDRESS FROM
NAVSafety@SE.NIMA.SMIL.MIL TO NAVSafety@NSCN.NIMA.SMIL.MIL.
FOR URGENT SERVICE, CONTACT NIMA NAVSAFETY, DSN: 287 3149,
COMM: 1 800 362 6289 OR 301 227 3149, E-MAIL: NAVSafety@NIMA.MIL
OR MSG TO NIMA NAVSAFETY BETHESDA MD.
2. CANCEL THIS MSG 30 JUL.

(231425Z JUL 2003)

1272/03(81). NORTH PACIFIC. MISSILES.

1. HAZARDOUS OPERATIONS 2200Z TO 1200Z COMMENCING
DAILY 28 THRU 31 JUL IN AREA BOUND BY
13-00N 144-10E, 13-00N 144-40E,
10-00N 145-00E, 09-30N 145-00E,
09-35N 144-00E, 10-00N 143-10E,
11-00N 143-00E, 12-15N 143-00E.
2. CANCEL THIS MSG 011300Z AUG.

(240610Z JUL 2003)

1273/03(63). BAY OF BENGAL.

M/V JUBILEE SINKING AND CREW ABANDONING SHIP IN 17-55.75N 091-33.50E
AT 240350Z JUL. VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC PORT BLAIR,
INMARSAT-C: 4419 08010, PHONE: 319 223 2681, FAX: 319 223 5612.

(240720Z JUL 2003)

MARAD ADVISORIES

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NIMA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html), by referring to Section I (paragraph 50) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 24 July 2003: 00-7, 01-1, 01-7, 02-2, 02-5, 02-7 and 03-4.

SPECIAL WARNINGS

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NIMA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002 and in Notice to Mariners 14/03.

SPECIAL WARNINGS in force 24 July 2003: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

MARINE INFORMATION**NEW EDITION OF COAST PILOT**

U.S. Coast Pilot 8, Alaska: Dixon Entrance to Cape Spencer, Twenty-Fifth Edition, 2003, is ready for issue and may be obtained from:

Federal Aviation Administration
National Aeronautical Charting Office
Distribution Division, AVN-530
6303 Ivy Lane, Suite 400
Greenbelt, MD 20770-1479

and authorized sales agents of the National Ocean Service. Price \$26.00.

The 2003 Edition cancels the preceding 2002 Edition.

All corrections to the previous edition issued in Notice to Mariners are incorporated in this edition.

Mariners are encouraged to use the convenient "RECORD OF CHANGES" form on Page VI of this book. All Coast Pilot changes published in the U.S. Coast Guard Local Notice to Mariners, National Imagery and Mapping Agency Notice to Mariners, and on the Internet at <http://critcorr.ncd.noaa.gov/> are serially numbered (i.e., Change No. 1, Change No. 2, etc.) to assist you in tracking the changes.

NEW EDITION OF SAILING DIRECTIONS

Pub. 192, Sailing Directions (Enroute) North Sea, Eighth Edition, 2003, is ready for issue. This publication has been corrected to 23 March 2003, including Notice to Mariners No. 12 of 2003.

This edition is produced by NIMA in digital format only, available on CD-ROM and/or electronic access through the World Wide Web.

NIMA nautical publications as produced in digital format are more robust, expansive and customer friendly than the printed versions. Customers can expect access to data links between publication data sets, video streams, links to other websites, timely up-to-date information and current state of the art graphics, photos and commercial imagery.

Digital Nautical publications will be updated using a binary executable called "Publication Data Update (PDU)". PDU updates are cumulative ensuring customers will not miss any changes and may be accessed on the Maritime Safety Information Division website (<http://pollux.nss.nima.mil>).

Customers requiring paper versions of NIMA products may purchase them through the U.S. Government Printing Office (GPO) Superintendent of Documents. The NIMA point of contact for this effort is Mr. Adam Veracka (301)227-3173.

MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

Observer: name(s) of person(s) making observation and rank, rate or title.

Ship/Organization: name of vessel or organization.

Address: complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

Date of Observation: day, month and year at which the observation was made.

Time of Observation: local time at which the observation was made.

Latitude/Longitude: exact position of the observation expressed as accurately as possible.

Datum: horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

Navigation System: method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

Verified by Navigator: indicate whether observation was verified by navigator.

Product(s) Affected: product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

Edition: edition number and/or year of affected product.

Latest correction applied: the latest Notice to Mariners to which your copy of affected product has been corrected.

Sounding sensor or method used: equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

Soundings corrected for draft: indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

Details of Information Reported: use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NIMA to update our records and obtain additional or later information.

User Feedback: use this space to provide feedback and suggestions for improving NIMA's products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

Due to the large volume of information received, NIMA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of NIMA's Bathymetric Data Base. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).

MARINE INFORMATION REPORT AND SUGGESTION SHEET

Observer _____ Ship/Organization _____

Address _____

Email address _____

Date of Observation _____ Time of Observation (Local) _____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Product(s) Affected _____ Edition _____

Latest correction applied: N.M. _____

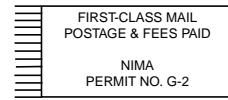
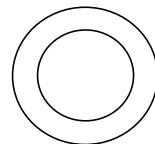
Sounding sensor or method used _____ Sounding(s) corrected for draft: Yes _____ No _____

Details of Information Reported (continue on additional sheets as necessary) _____

User Feedback (continue on additional sheets as necessary)



**MARITIME SAFETY INFORMATION DIVISION
ST D44
NATIONAL IMAGERY AND MAPPING AGENCY
4600 SANGAMORE ROAD
BETHESDA MD 20816-5003**



ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET

Observer _____

Ship/Organization _____

Phone _____ Email Address_____

Describe Hazard (e.g. dredge, buoy, current meter, operations): _____

Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): _____

If observed, Date _____ Time (Local) _____

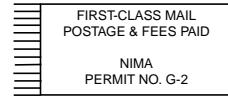
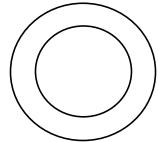
Verified by Navigator: Yes No

Sounding(s) corrected for draft: Yes _____ No _____

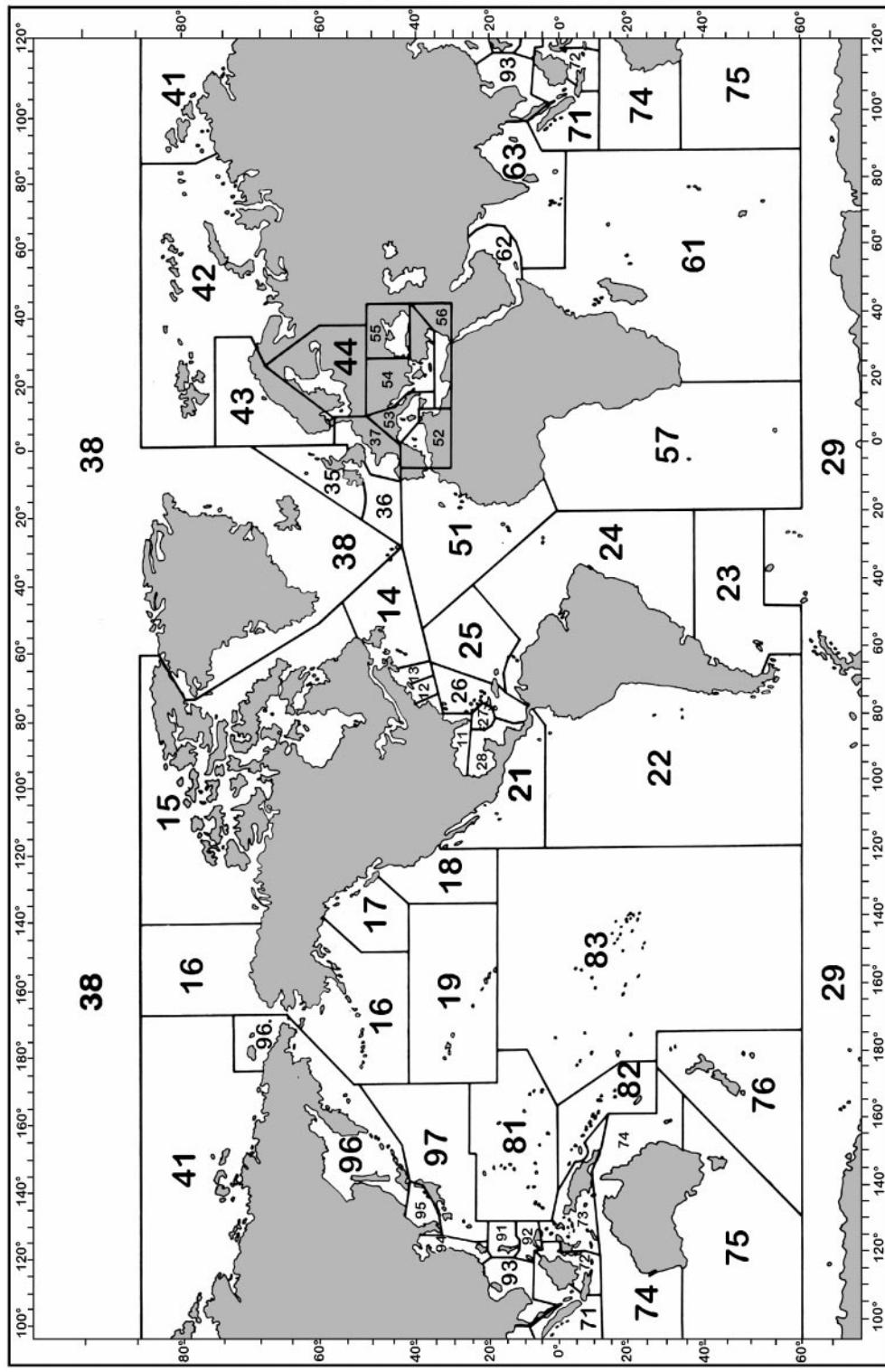
Details of Information Reported (continue on additional sheets as necessary): _____



**MARITIME SAFETY INFORMATION DIVISION
ST D44
NATIONAL IMAGERY AND MAPPING AGENCY
4600 SANGAMORE ROAD
BETHESDA MD 20816-5003**



GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NIMA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Sub-region number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

DEFENSE SUPPLY CENTER RICHMOND

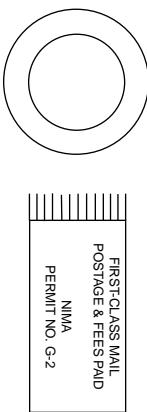
ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY
RICHMOND, VIRGINIA 23297-5338

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE \$500

FIRST CLASS



**IMPORTANT
NAVIGATIONAL INFORMATION
TIME-DATED**



**NOTICE TO
MARINERS**

PLEASE EXPEDITE DELIVERY